

FIG. 1A

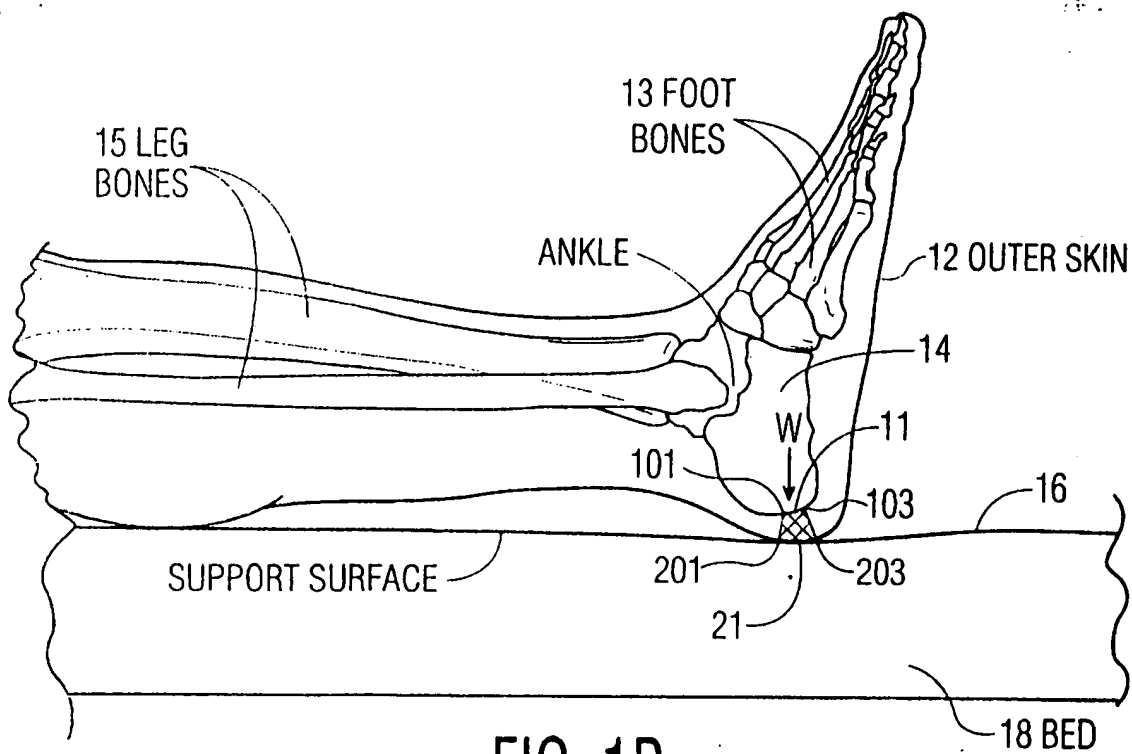


FIG. 1B

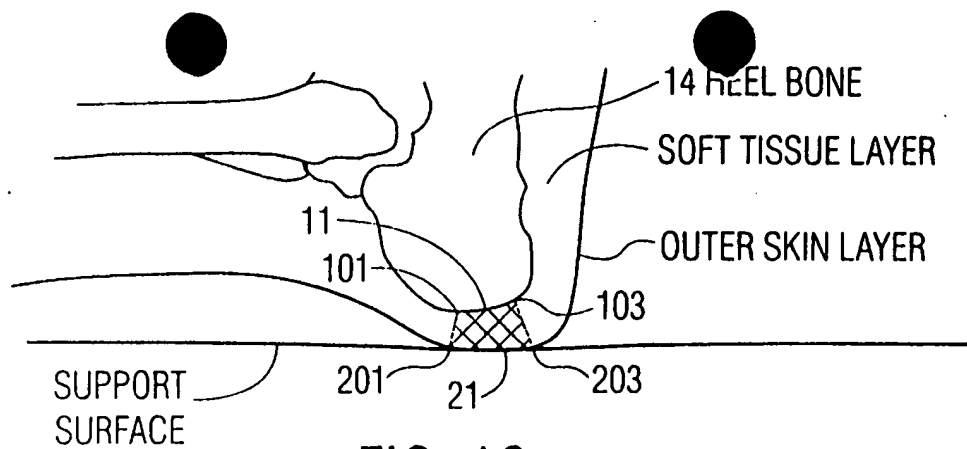


FIG. 1C

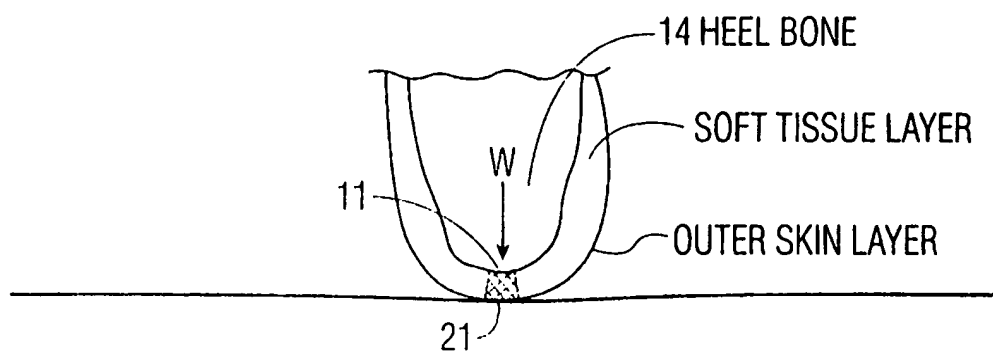


FIG. 1D

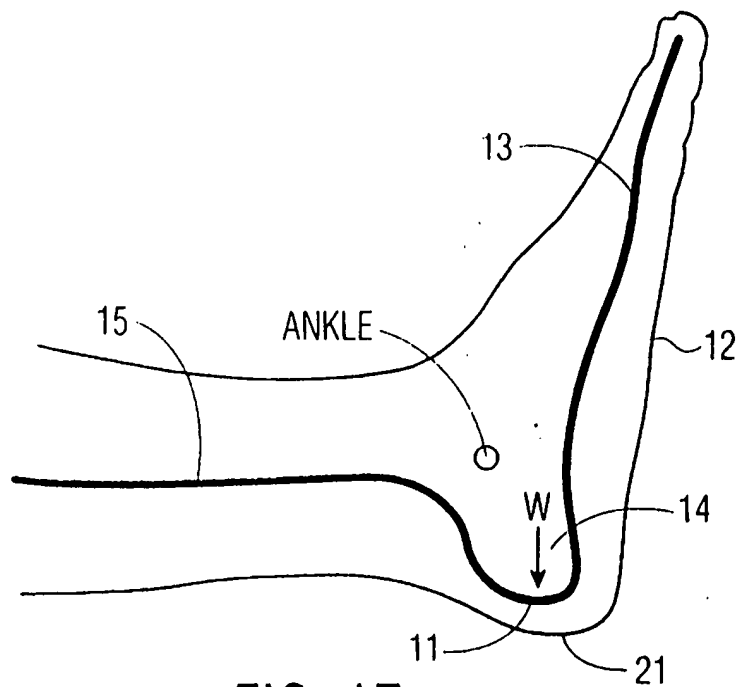


FIG. 1E

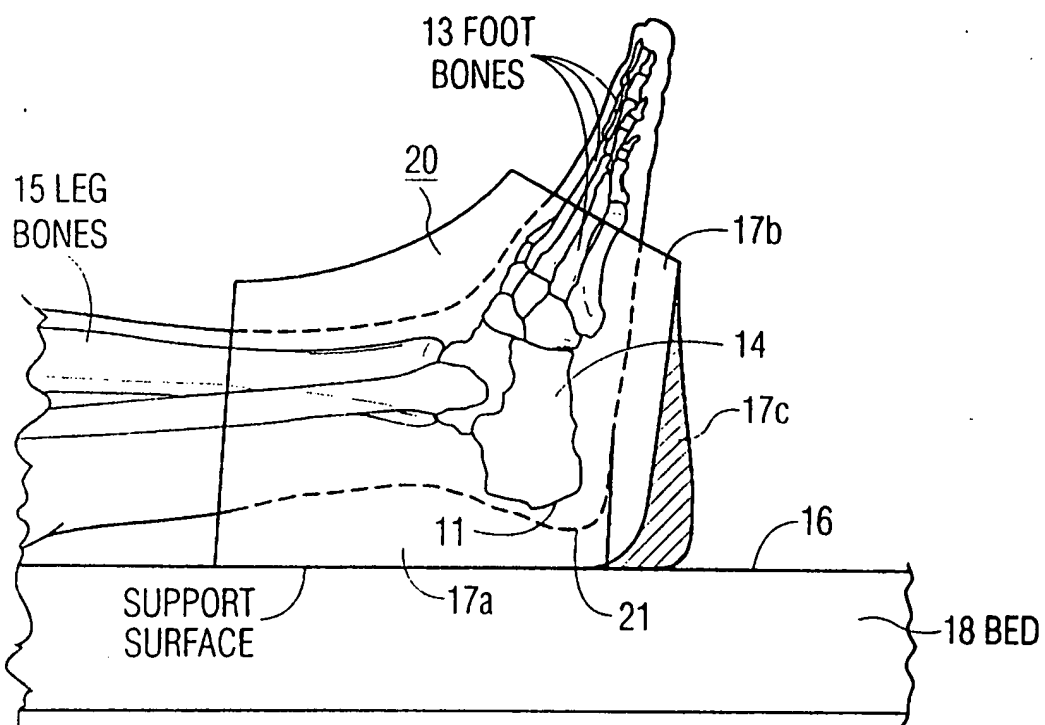


FIG. 2A

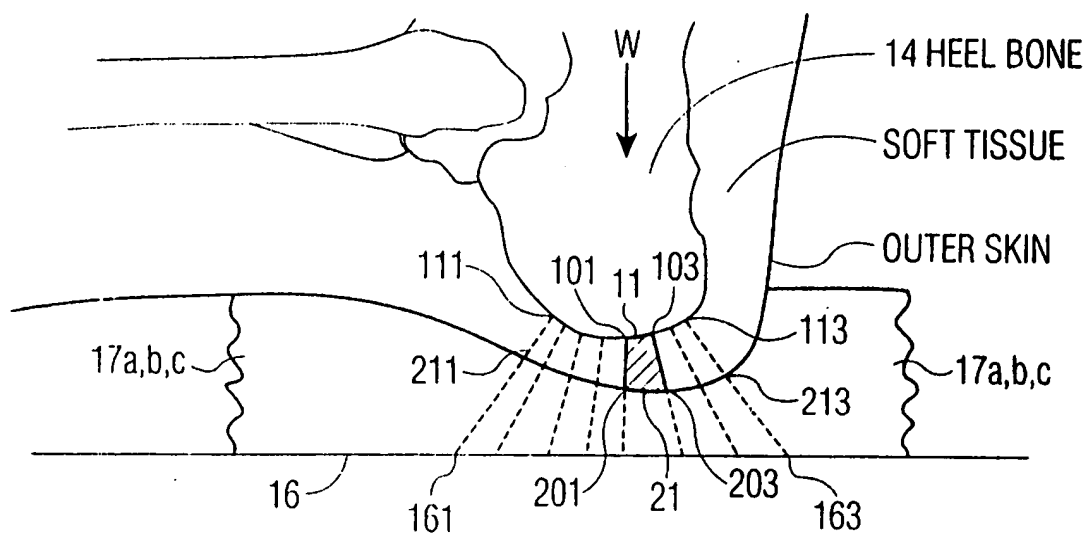


FIG. 2B

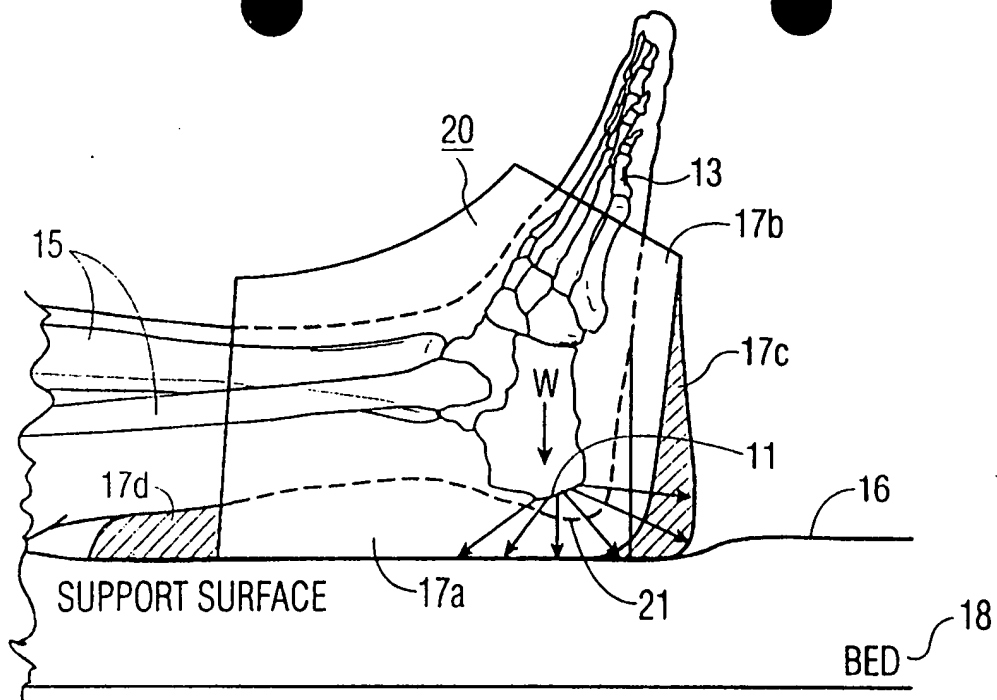


FIG. 3A

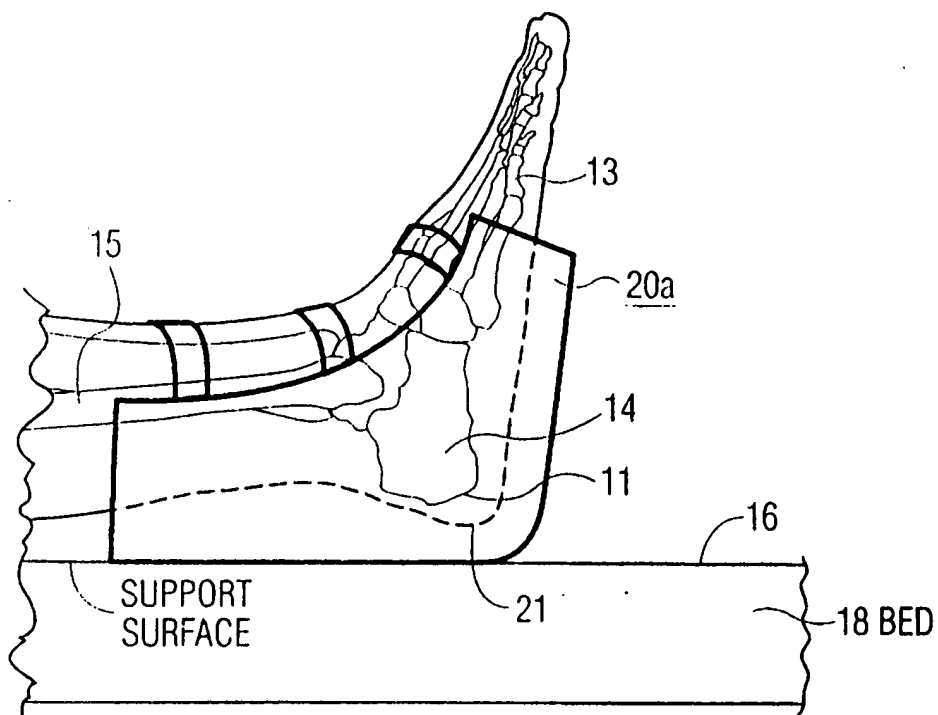


FIG. 4

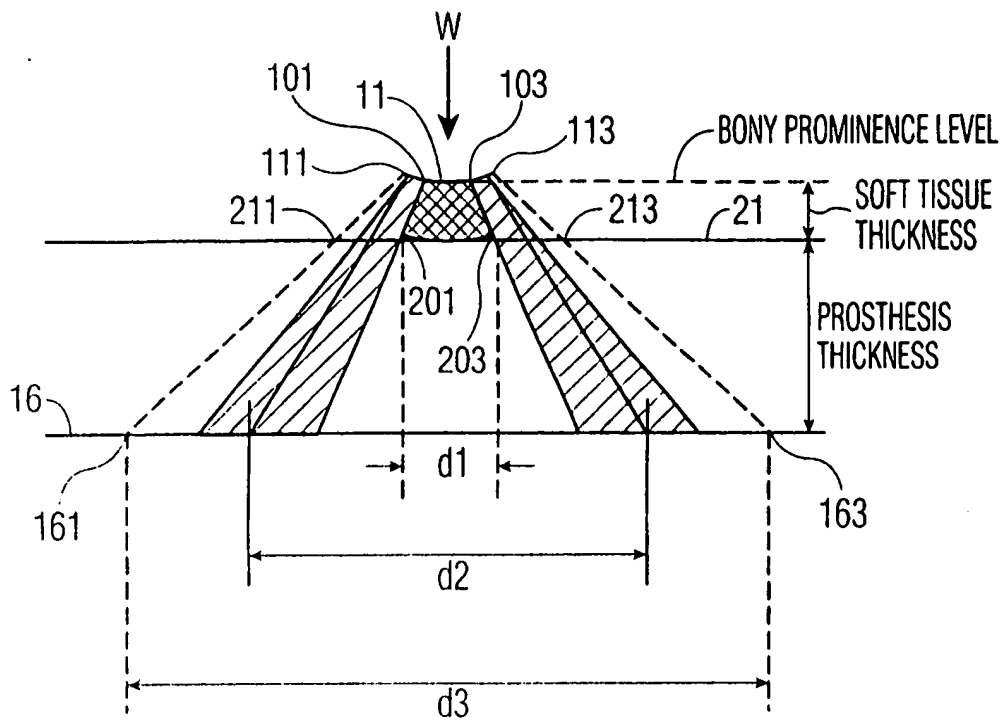


FIG. 3B

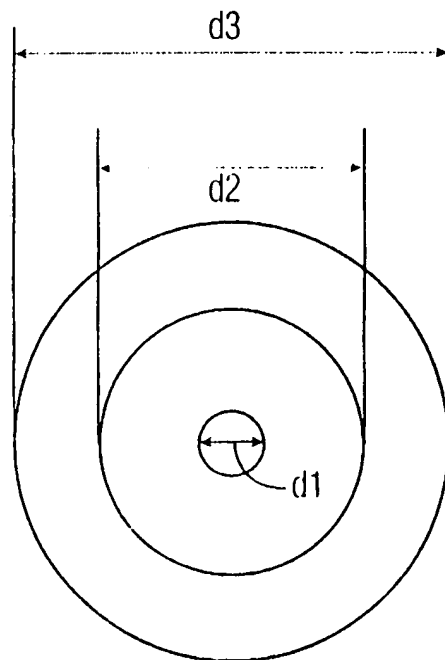


FIG. 3C

FIG. 5a

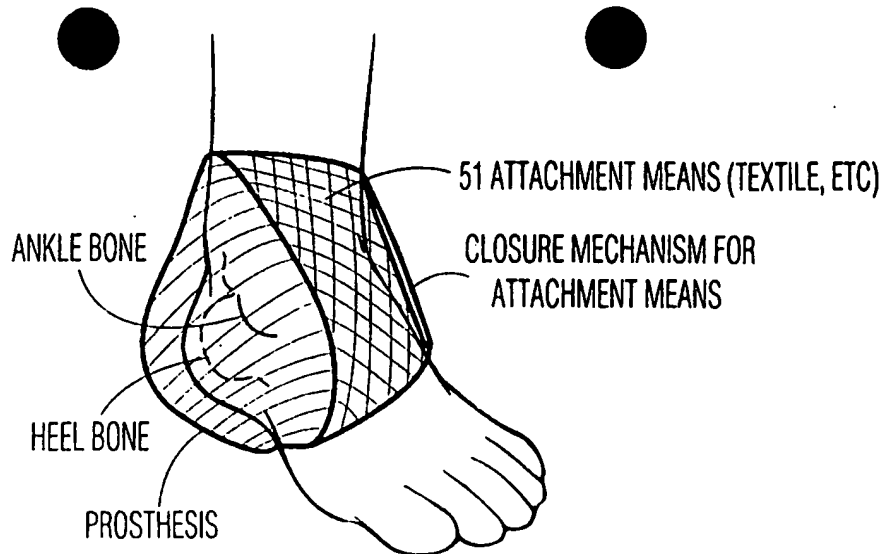


FIG. 5b

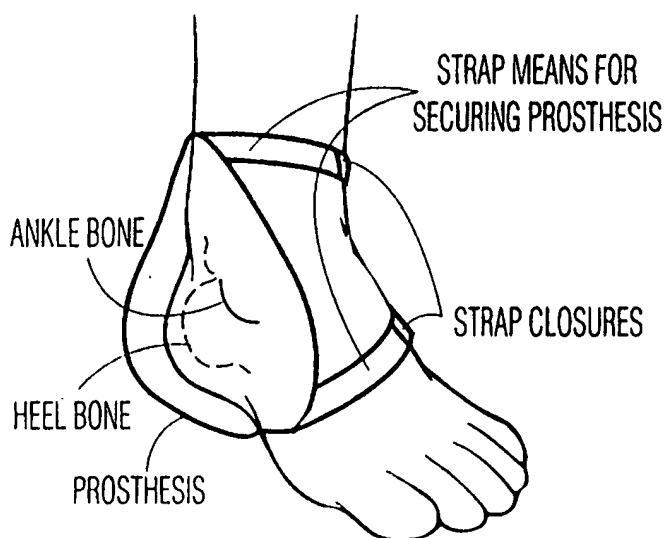
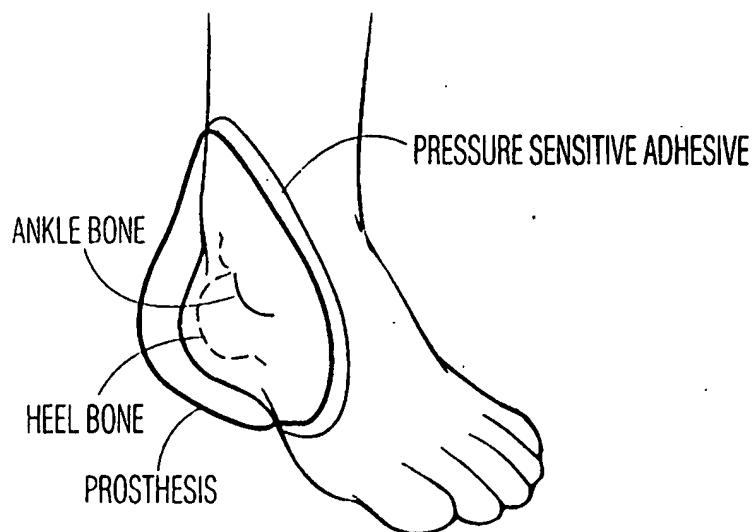


FIG. 5c



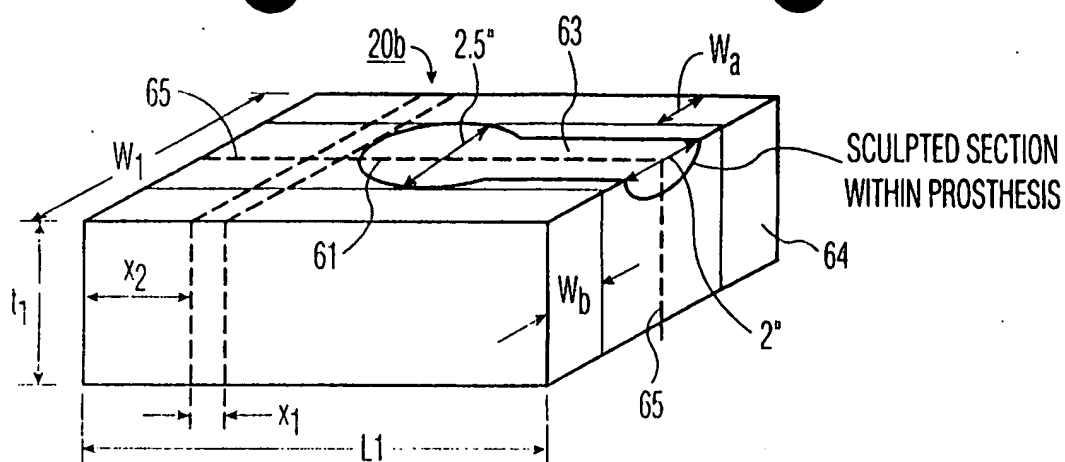


FIG. 6A

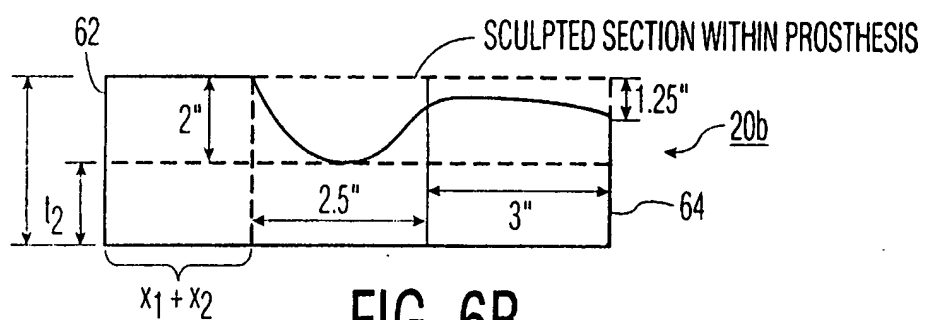


FIG. 6B

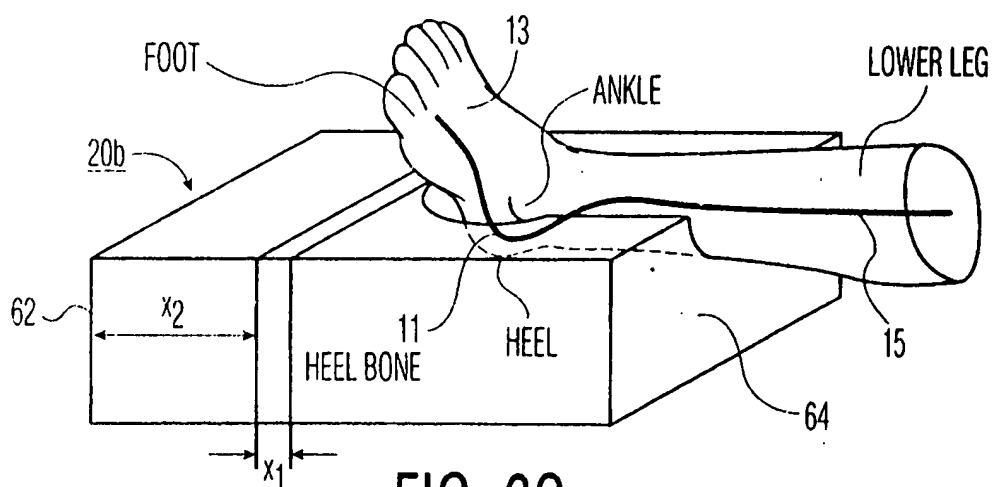


FIG. 6C

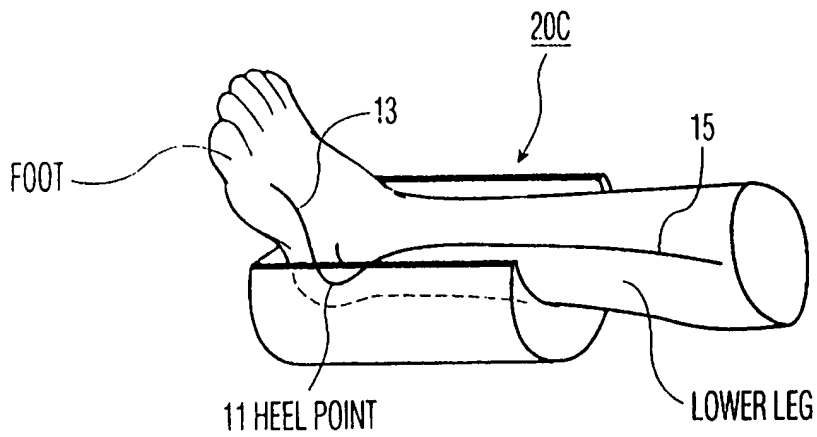


FIG. 6D

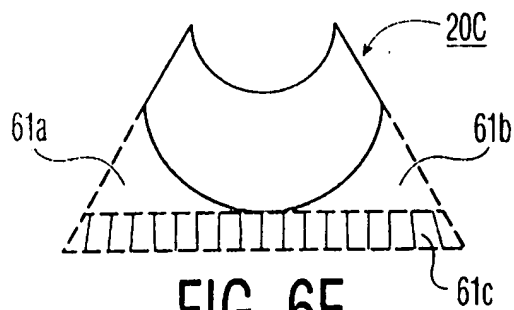


FIG. 6E

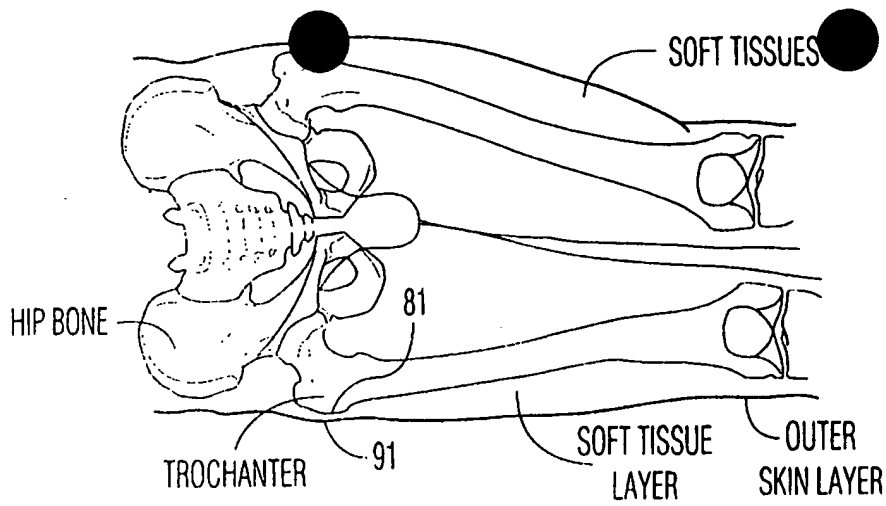


FIG. 7A

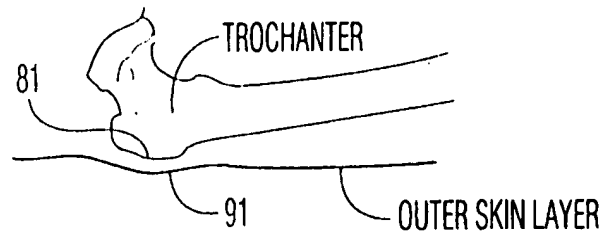


FIG. 7B

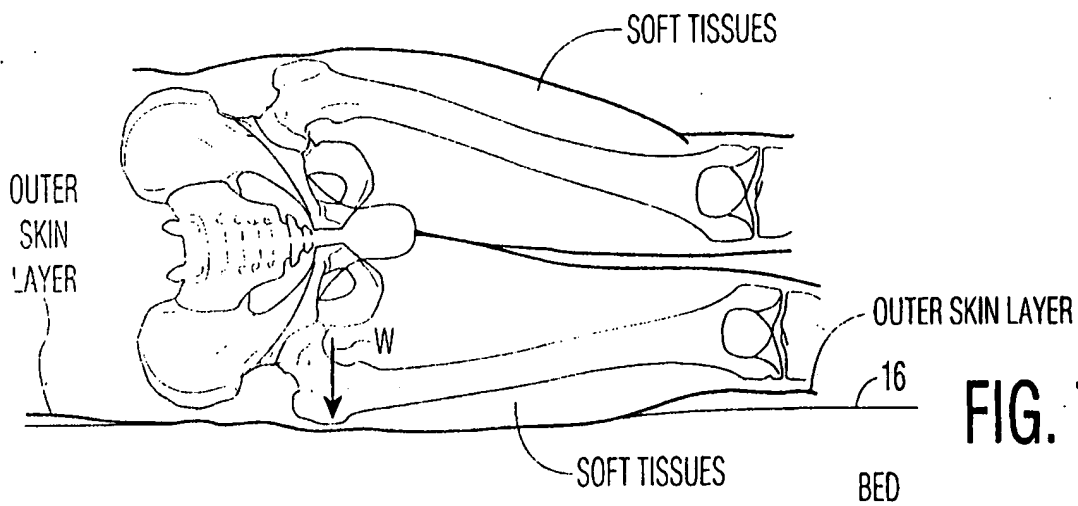


FIG. 7C

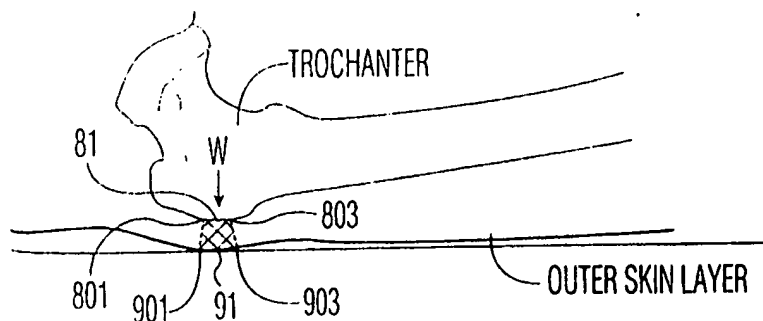


FIG. 7D

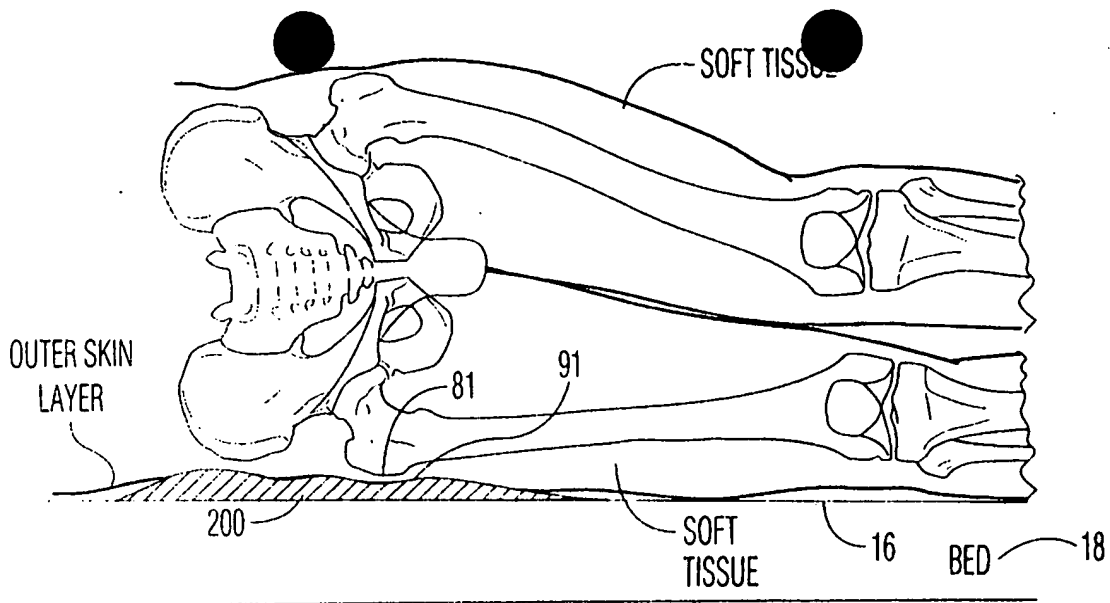


FIG. 7E

FIG. 7F

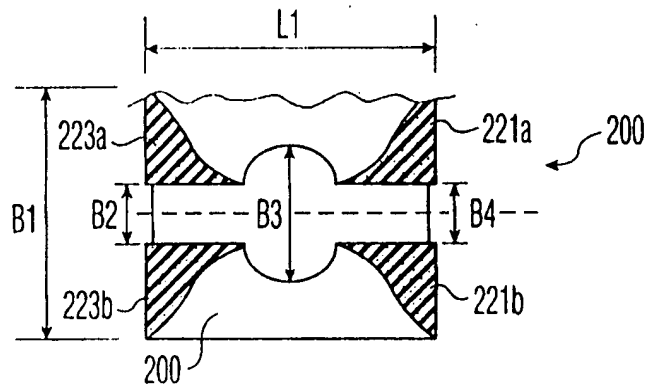


FIG. 7G

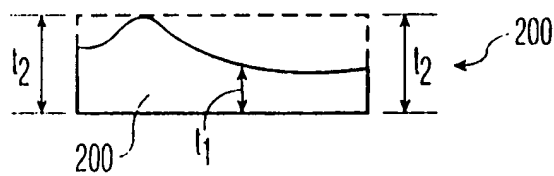
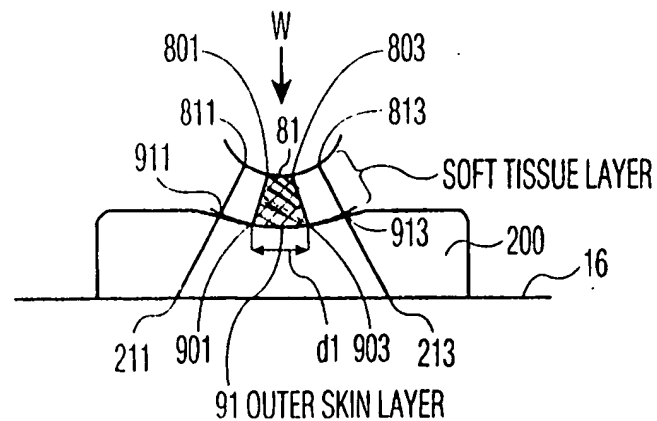
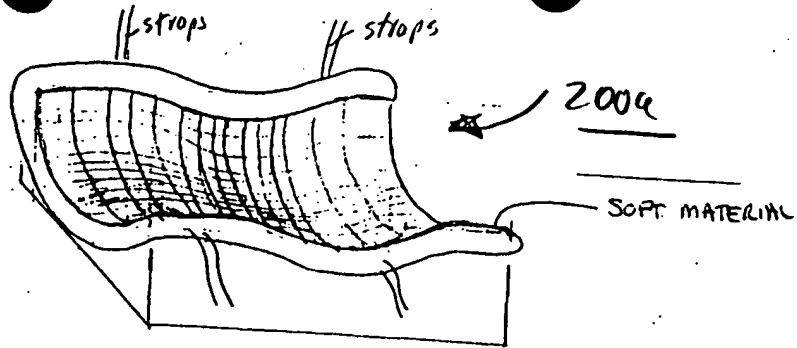


FIG. 7H



Hand-drawn diagram of a prosthetic limb cross-section. The diagram shows a cross-section of a limb with a prosthetic socket. The layers are labeled: **OUTER SKIN**, **SOFT TISSUE LAYER**, and **SUPPORT SURFACE (800)**. Dimensions are indicated: **200a** (width of the limb), **250** (width of the socket), and **81.91** (height of the socket). The diagram is labeled **Fig 7F** and **PROSTHESIS**.

EG/HIP
AXIS



CONTOURED TO PATIENT'S HIP

TROCHANTER
SOFT PROSTHESIS

FIG. 7L

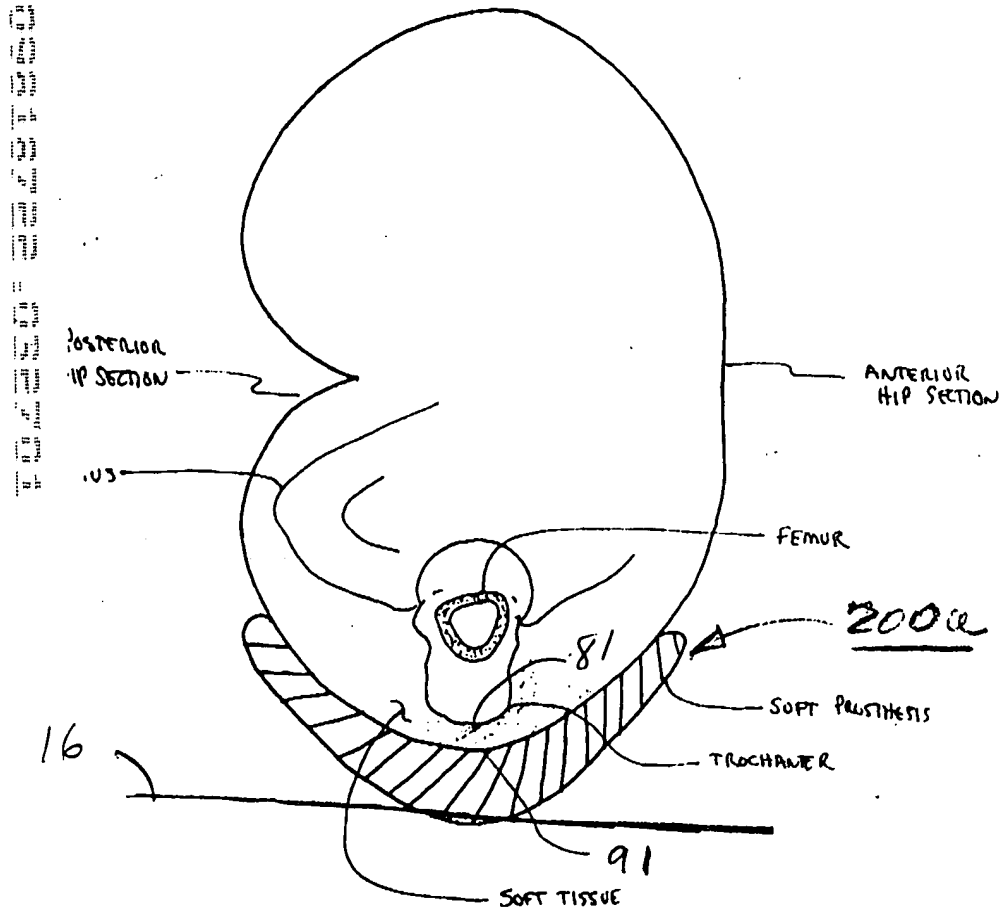
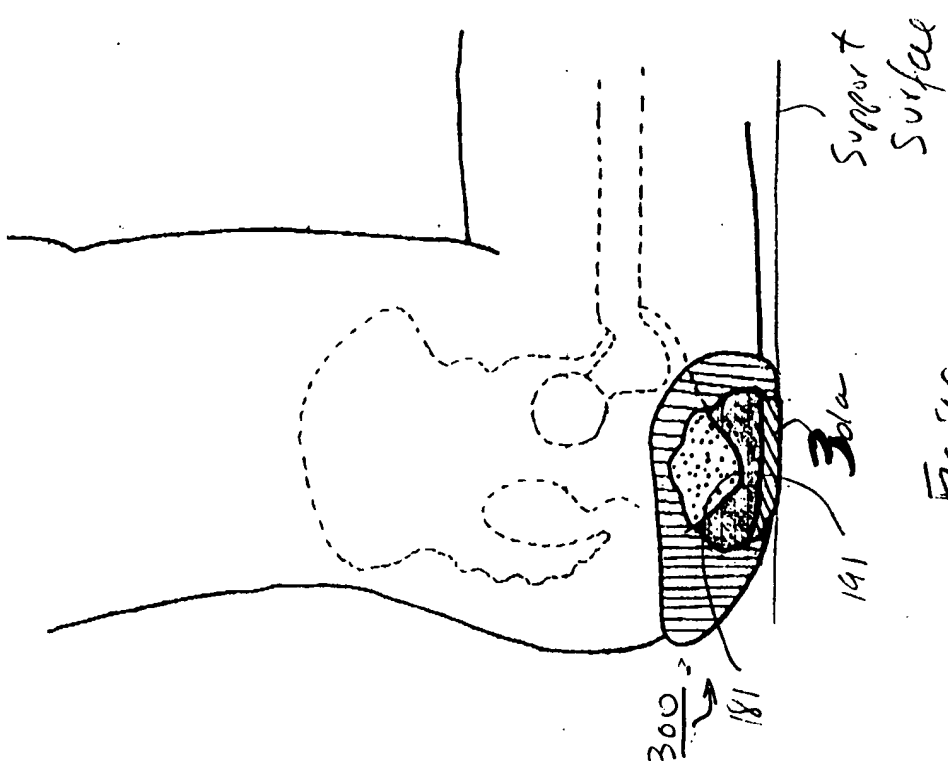


FIG. 7M

1. The present invention relates to a soft prosthetic device for use in a body cavity, and more particularly to a soft prosthetic device for use in the pelvic region.



TISCHUM
 SOFT PROSTHESIS

FIG 8B

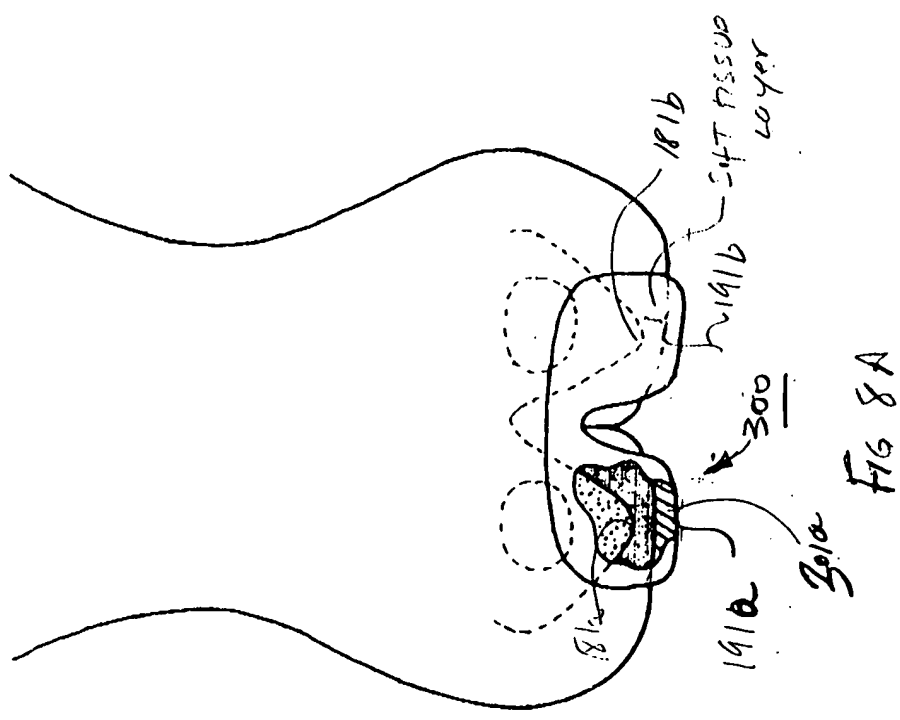
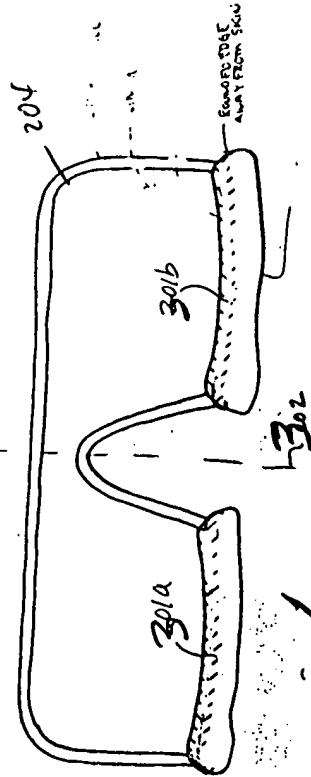
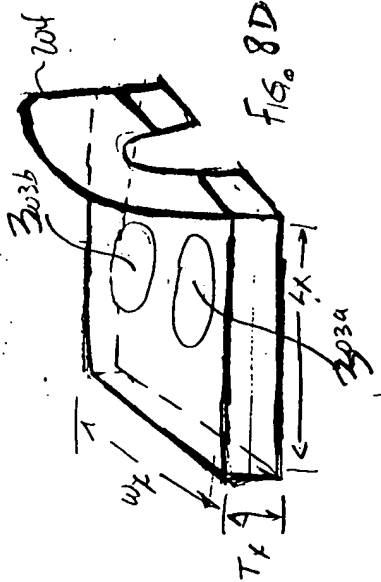
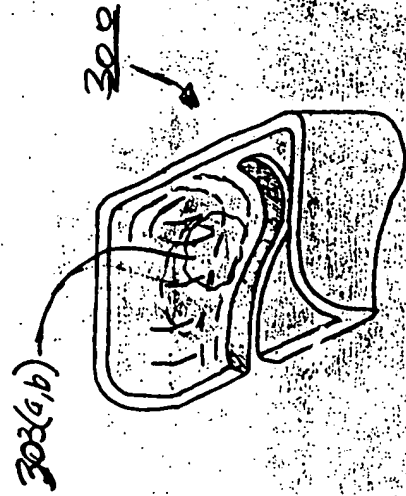
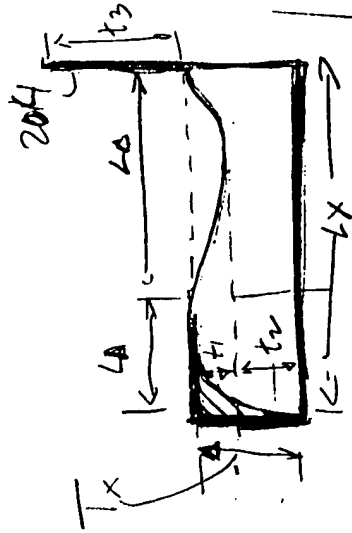


FIG 8A



PROTHERS DETAIL
ISCHIAL



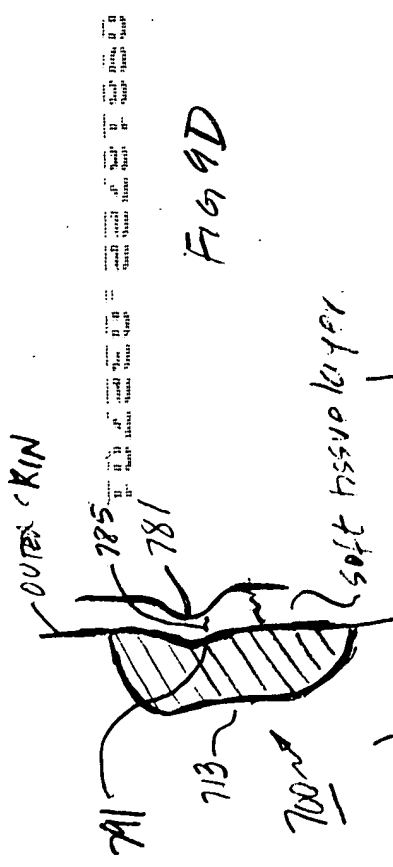


Fig 9D

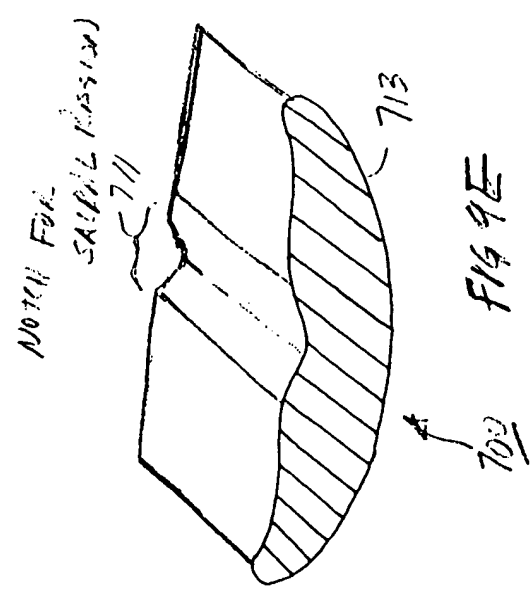


Fig 9E

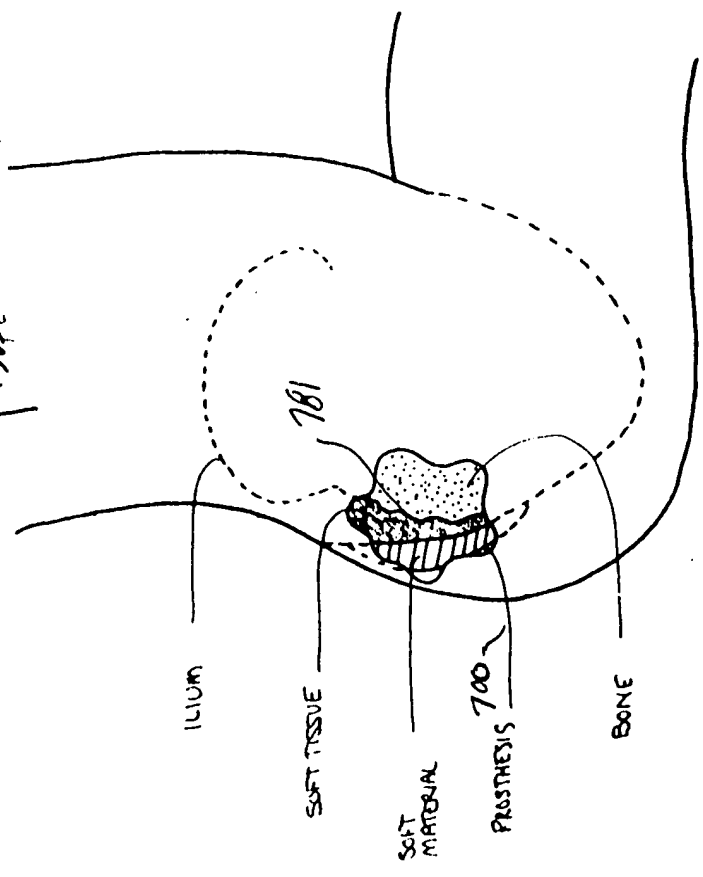
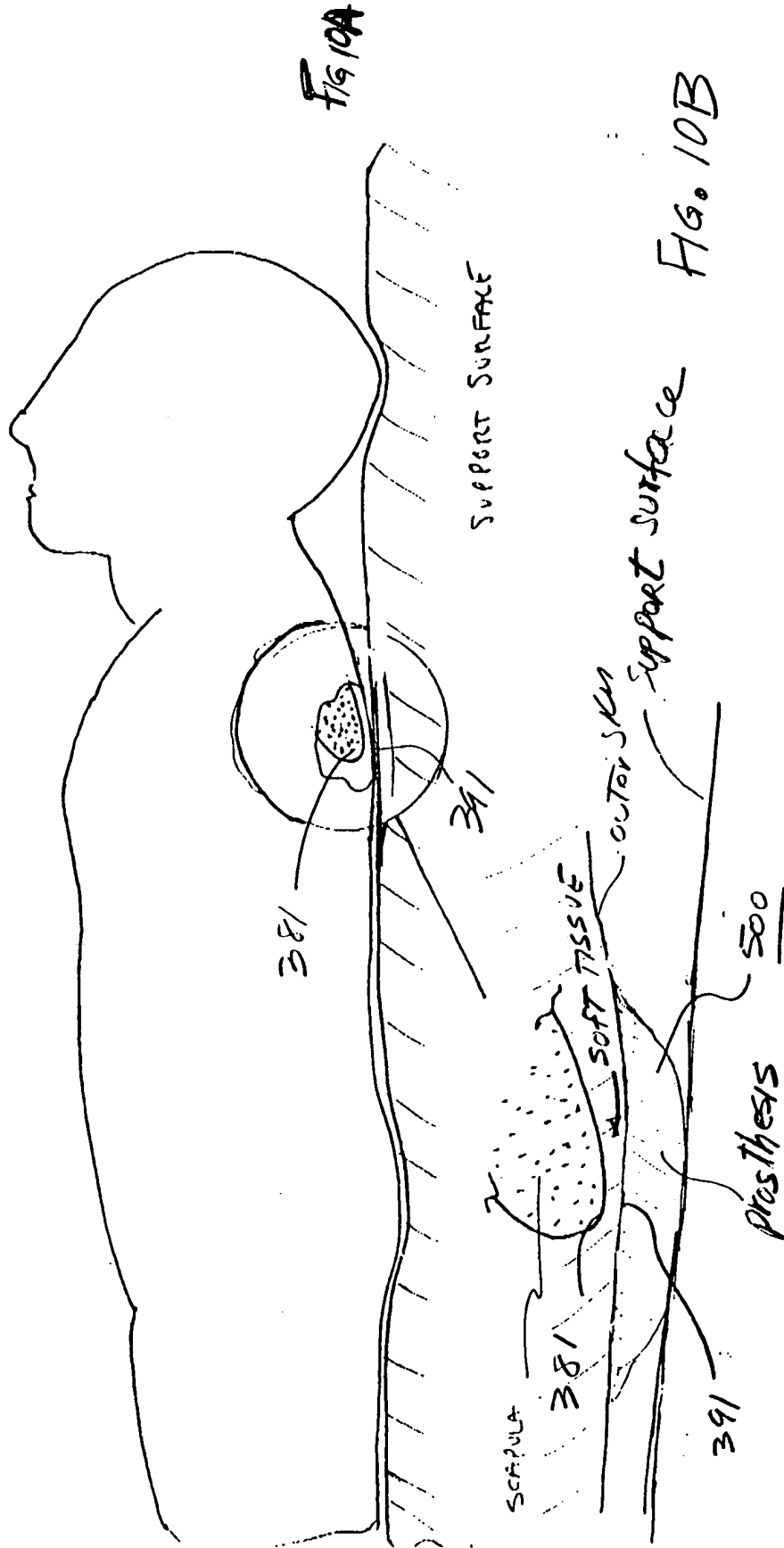


Fig 9C

SACRUM
SOFT PROSTHESIS
CUT AWAY VIEW

FIG. 10A



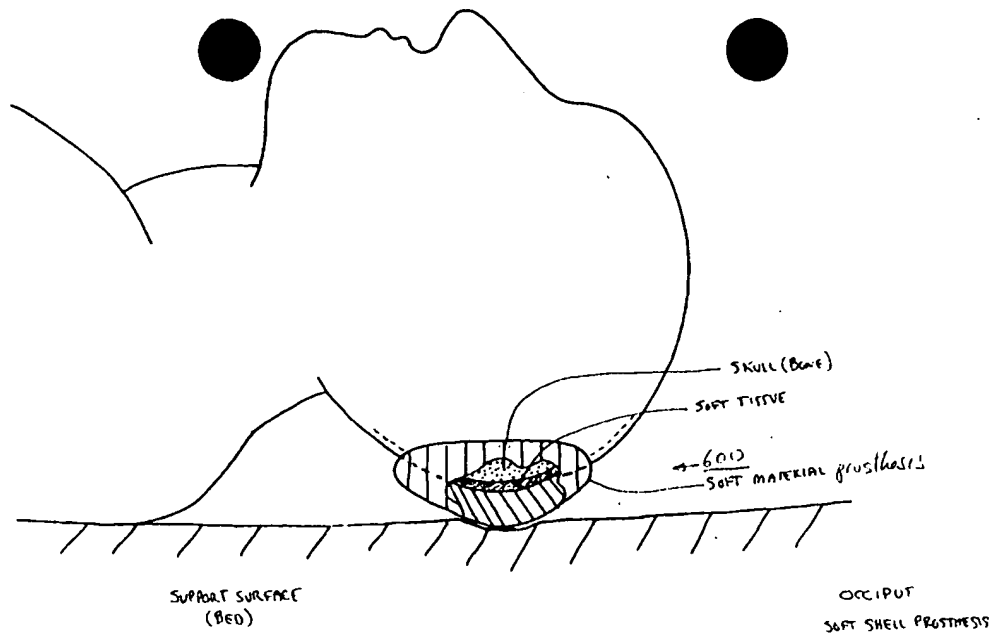


FIG 11

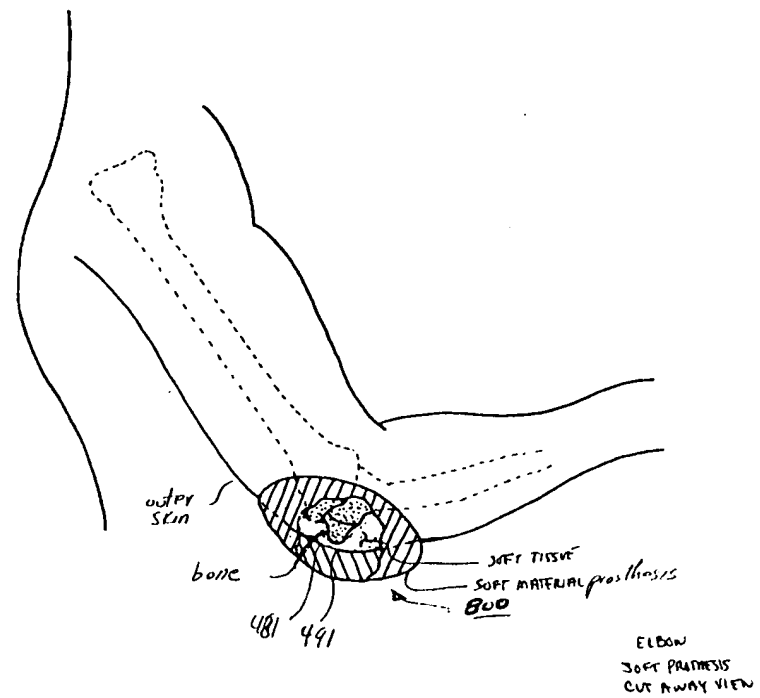


FIG 12

11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100

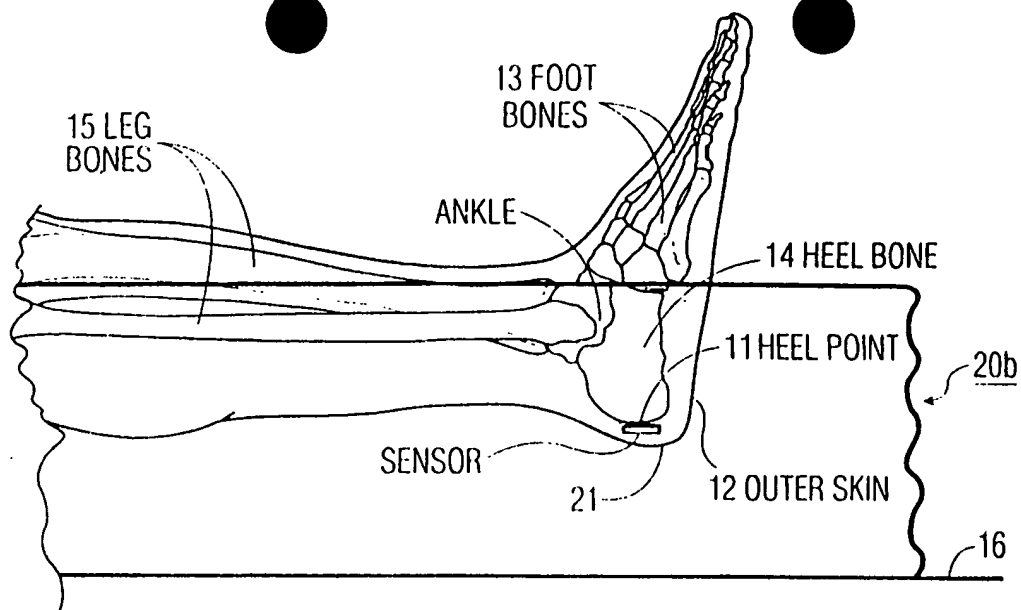


FIG. 13A

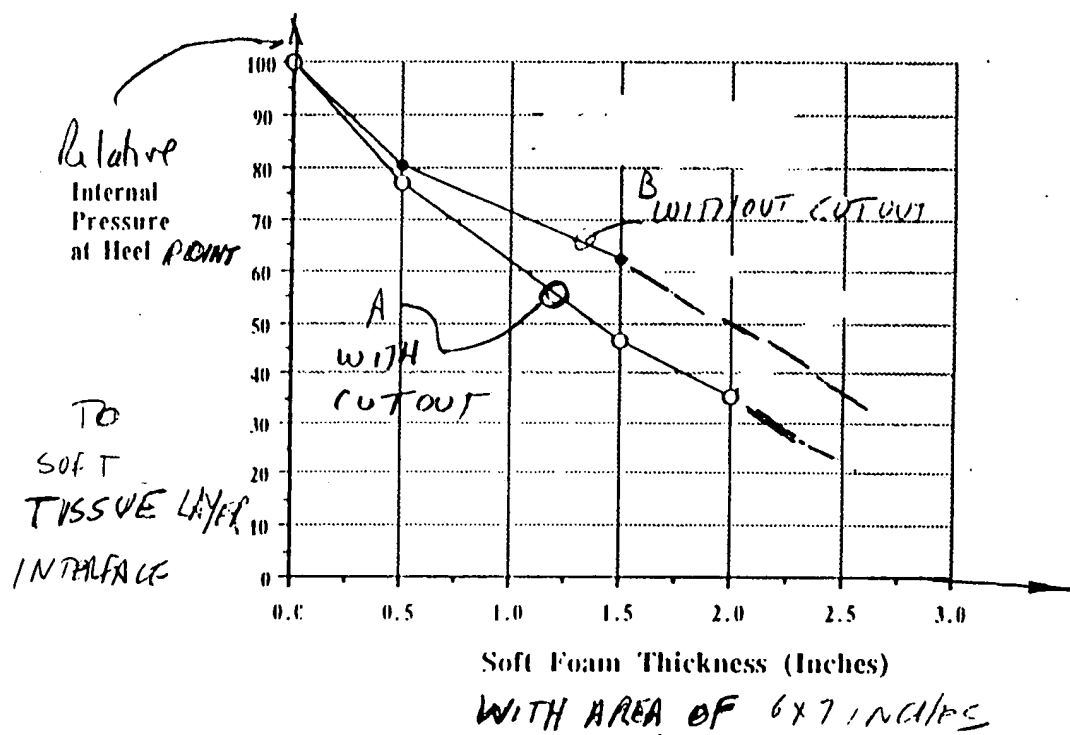


FIG. 13B

FIG. 14A

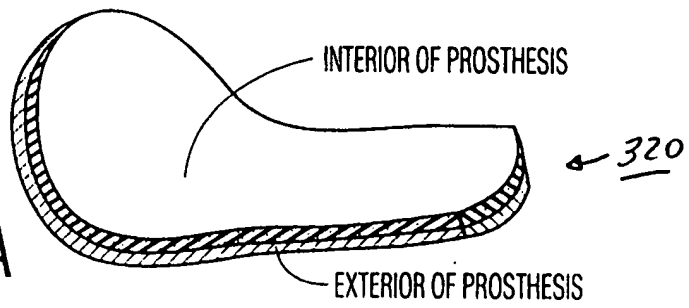


FIG. 14B

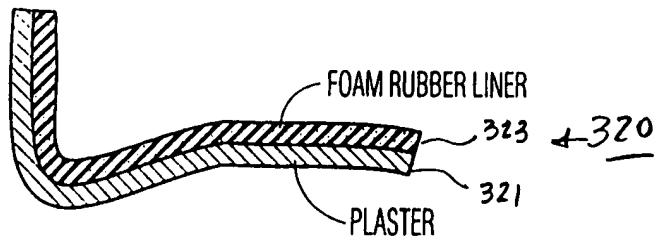


FIG. 14C

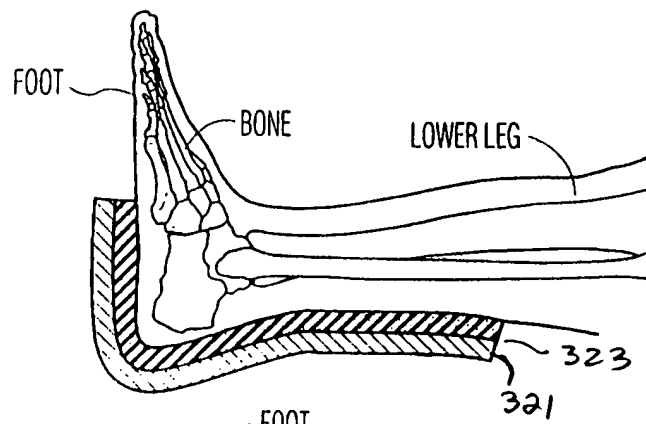
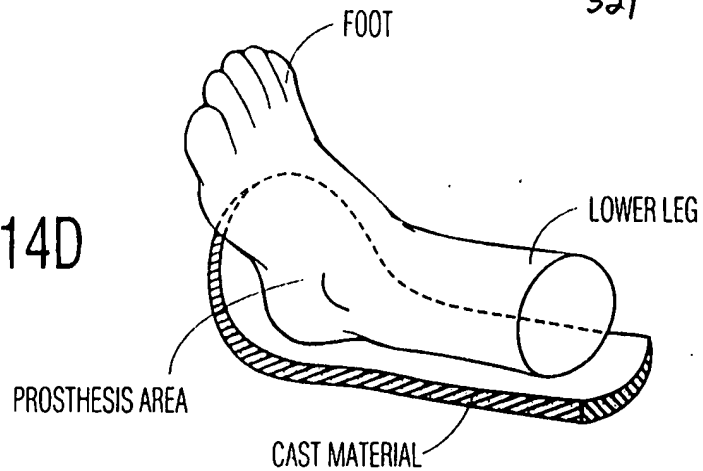


FIG. 14D



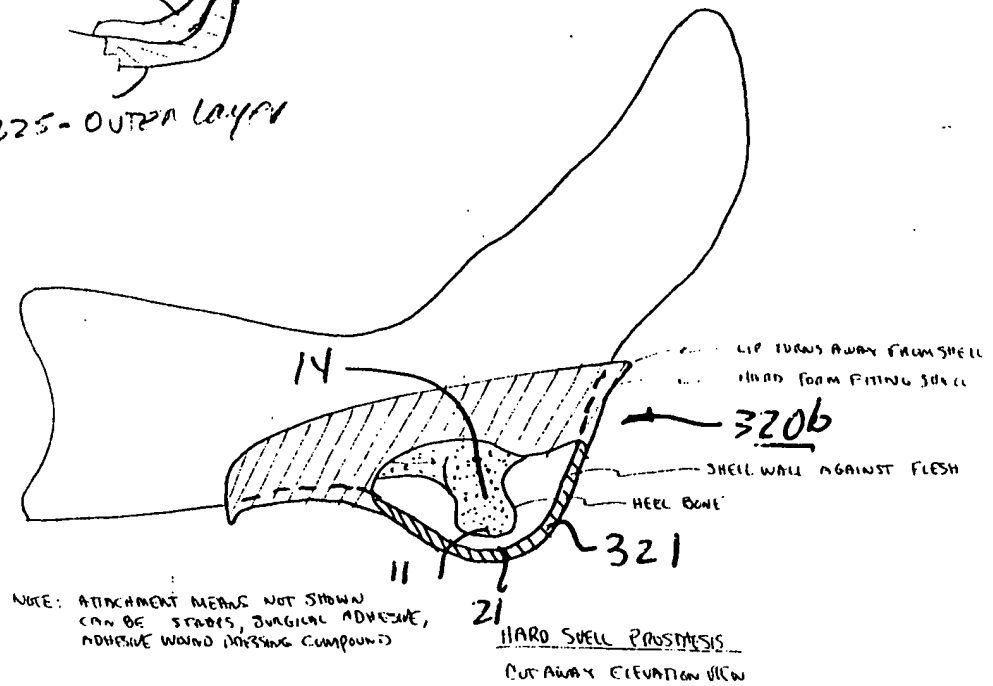
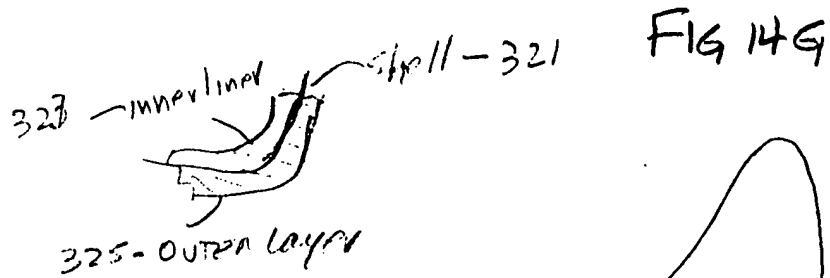
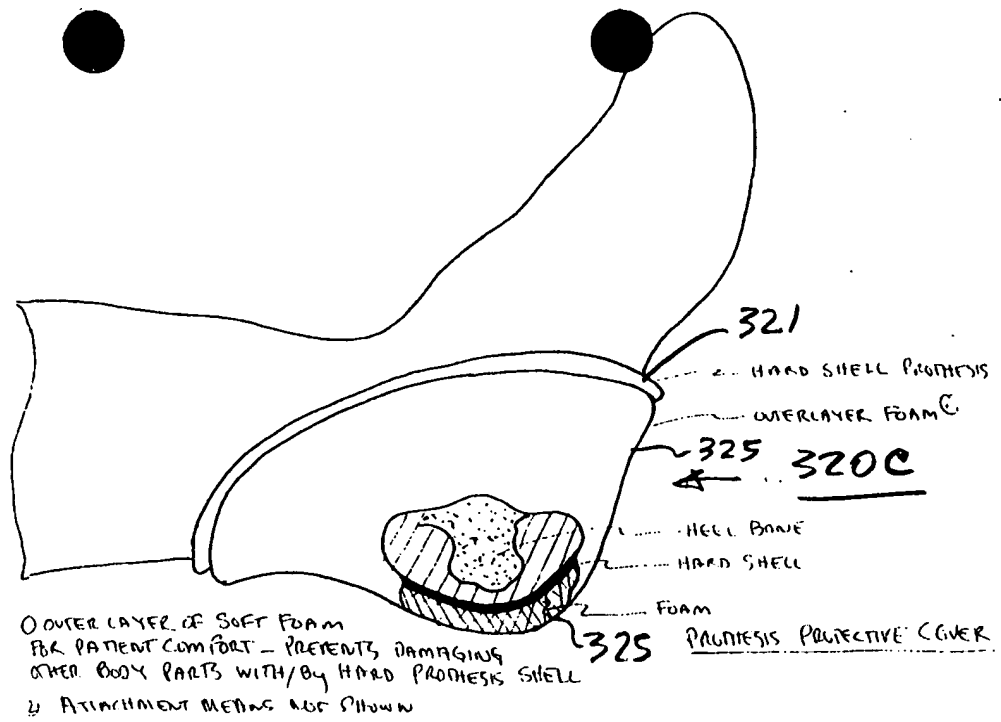


FIG 14F

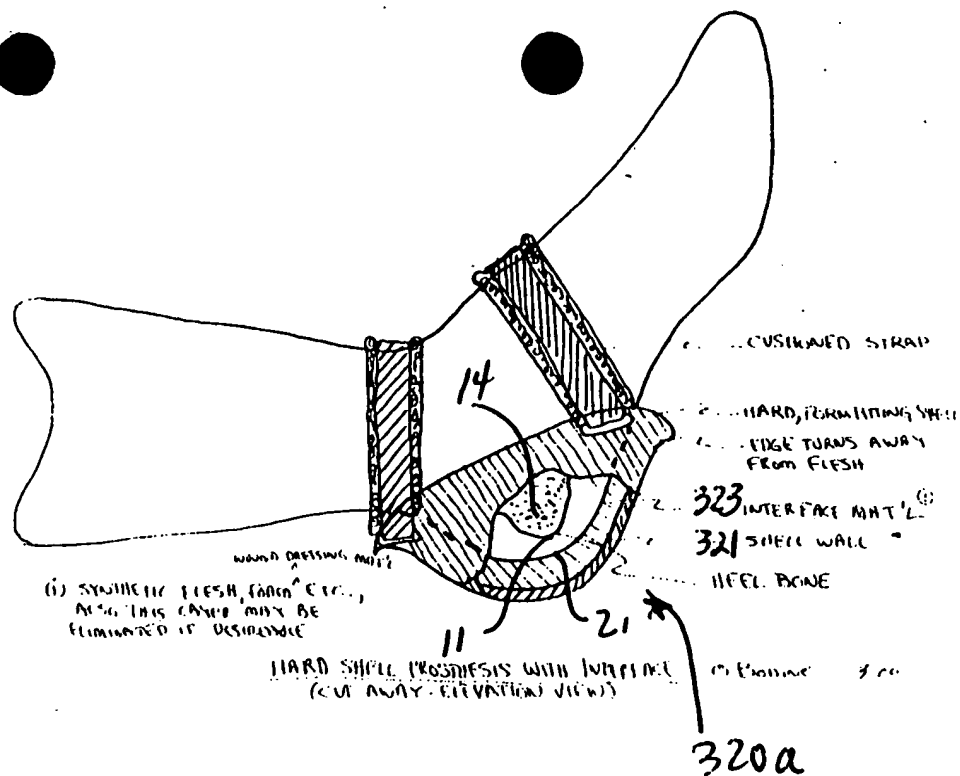


FIG 14E

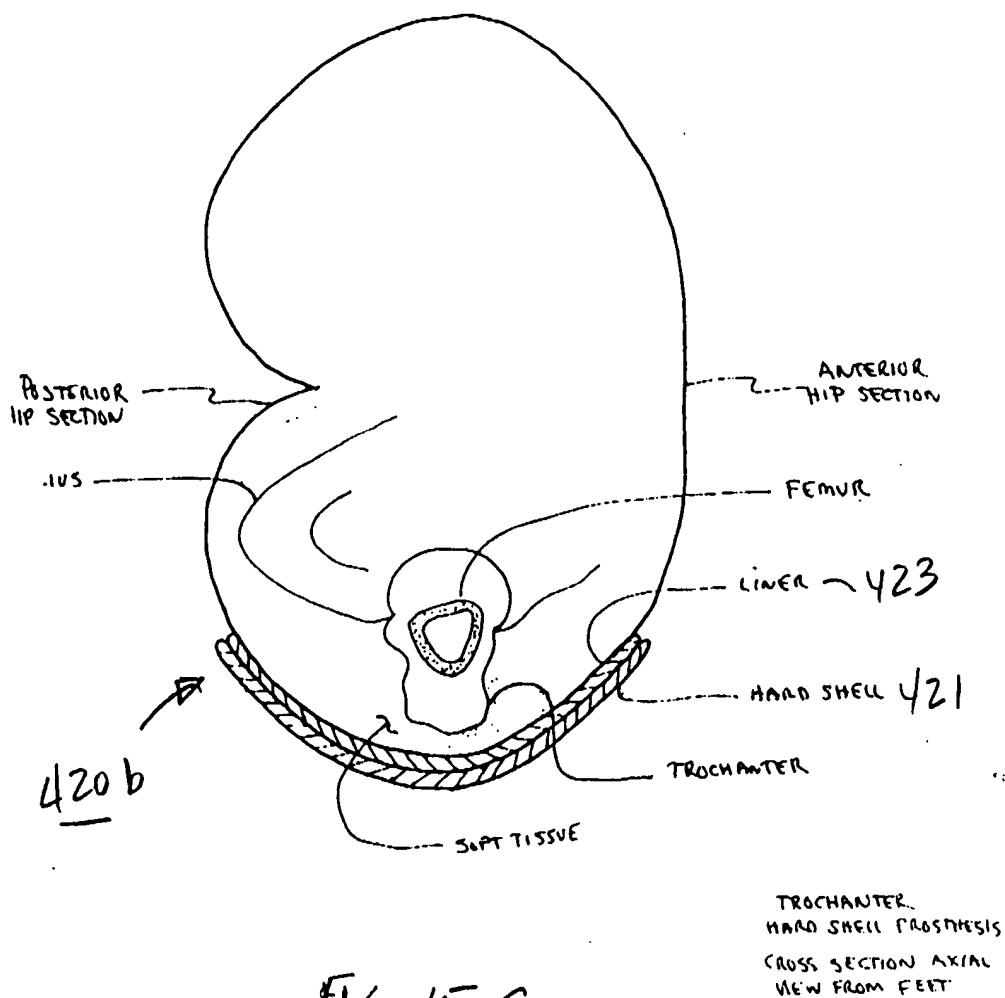


FIG 15 C

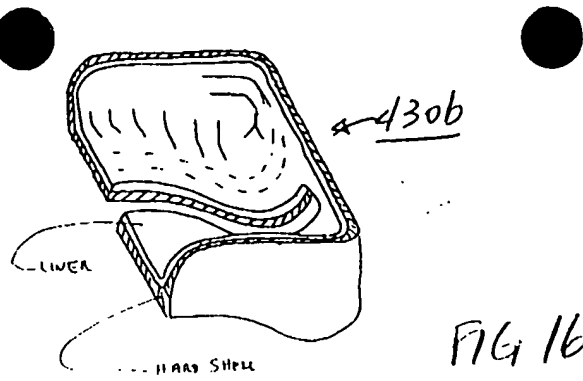
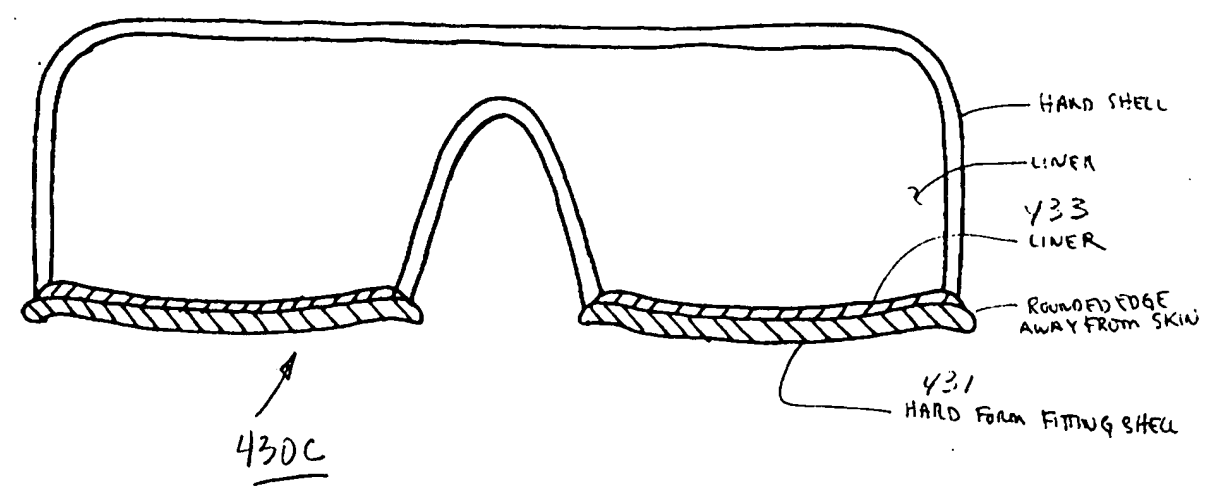


FIG 16C

ISCHIUM
HARD SHELL PROSTHESIS



430C

PROSTHESIS DETAIL
ISCHIAL O.B. 3.18.00
HARD SHELL PROSTHESIS
WITH LINER
ANTERIOR VIEW

FIG 16D

FIG. 17A is a schematic diagram of a prosthetic device in a human body. The device is shown in a cross-sectional view, with a dashed line indicating the boundary of the device. The device is labeled "150" and "PROSTHESIS".

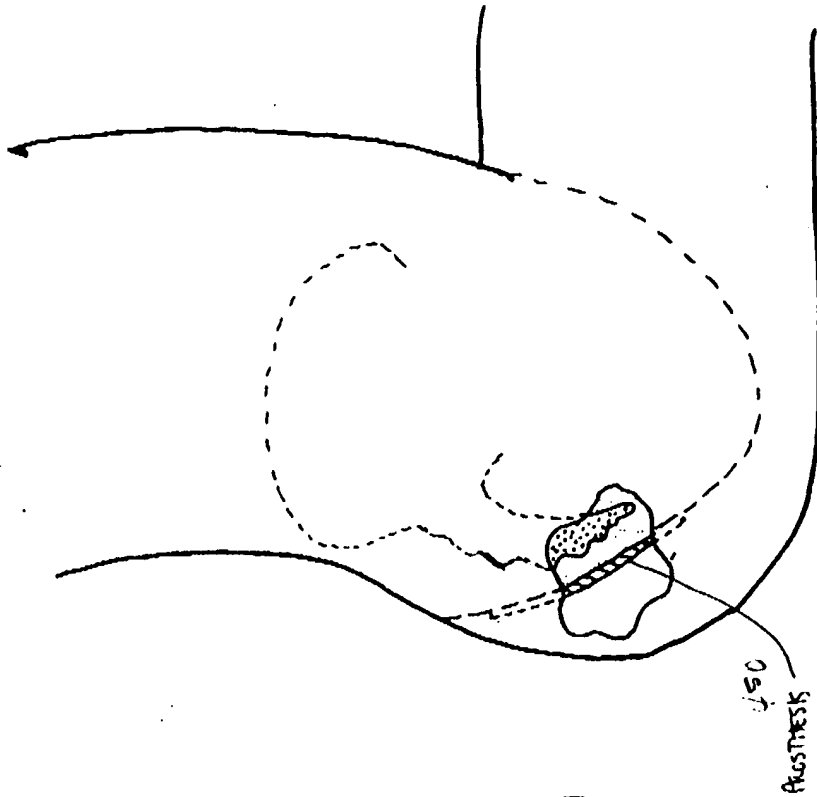


FIG 17A

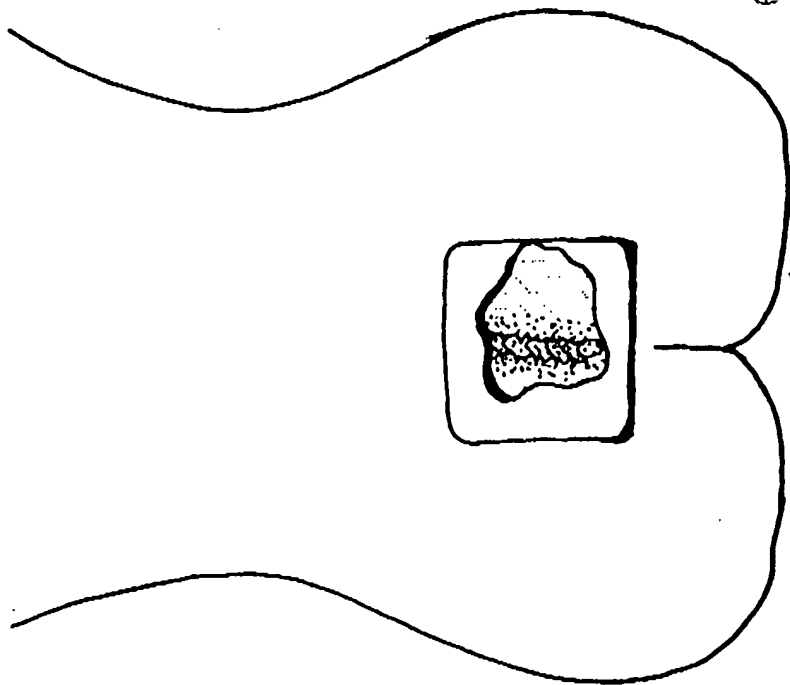


FIG 17B

COCYX
HARD SHELL PROSTHESIS
WITH LINER

FIG 18A

FIG 18B

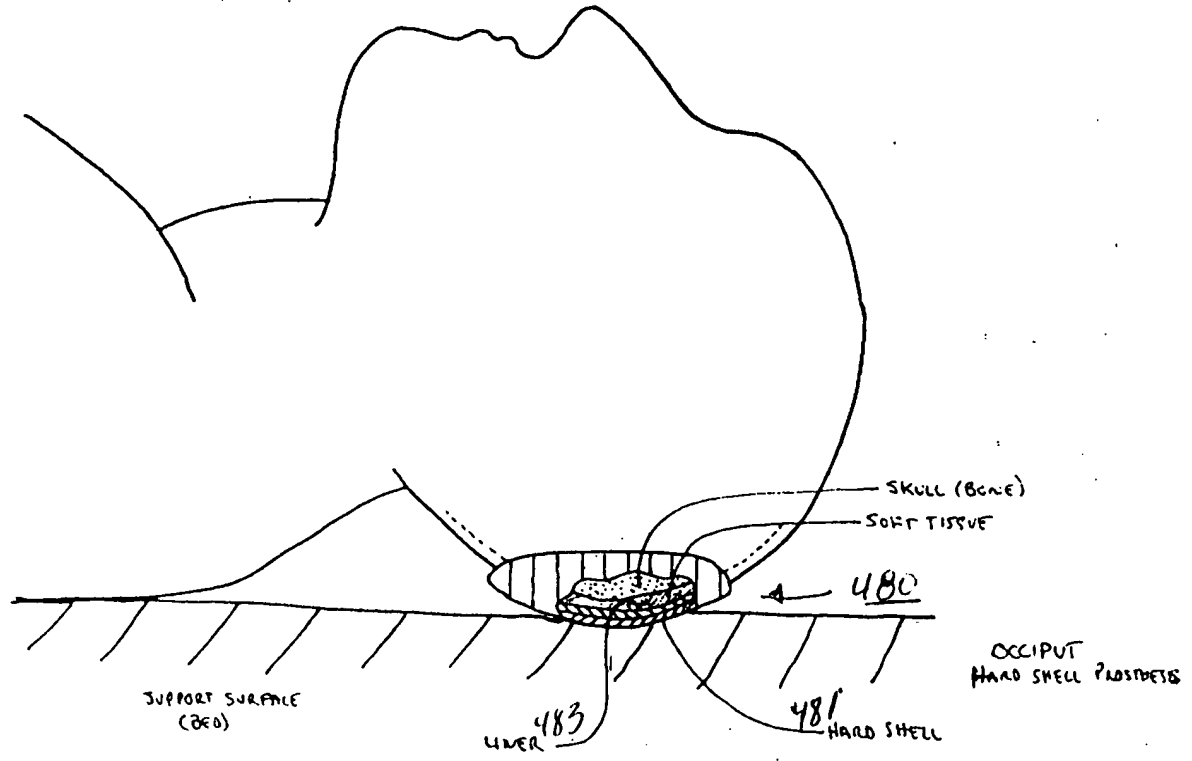
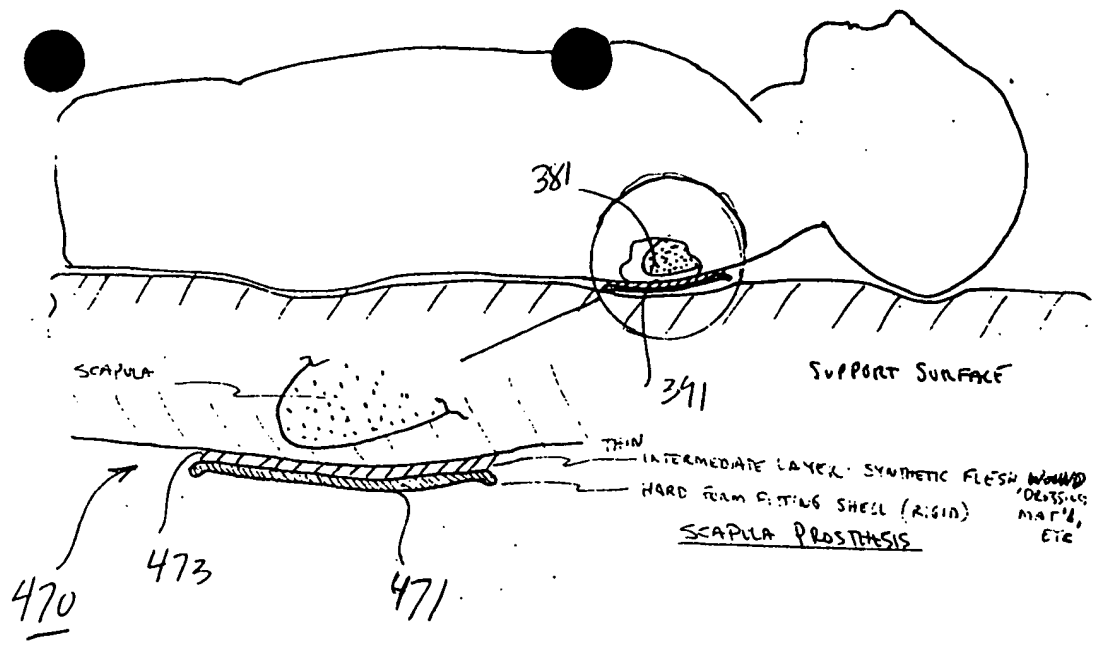


FIG 19

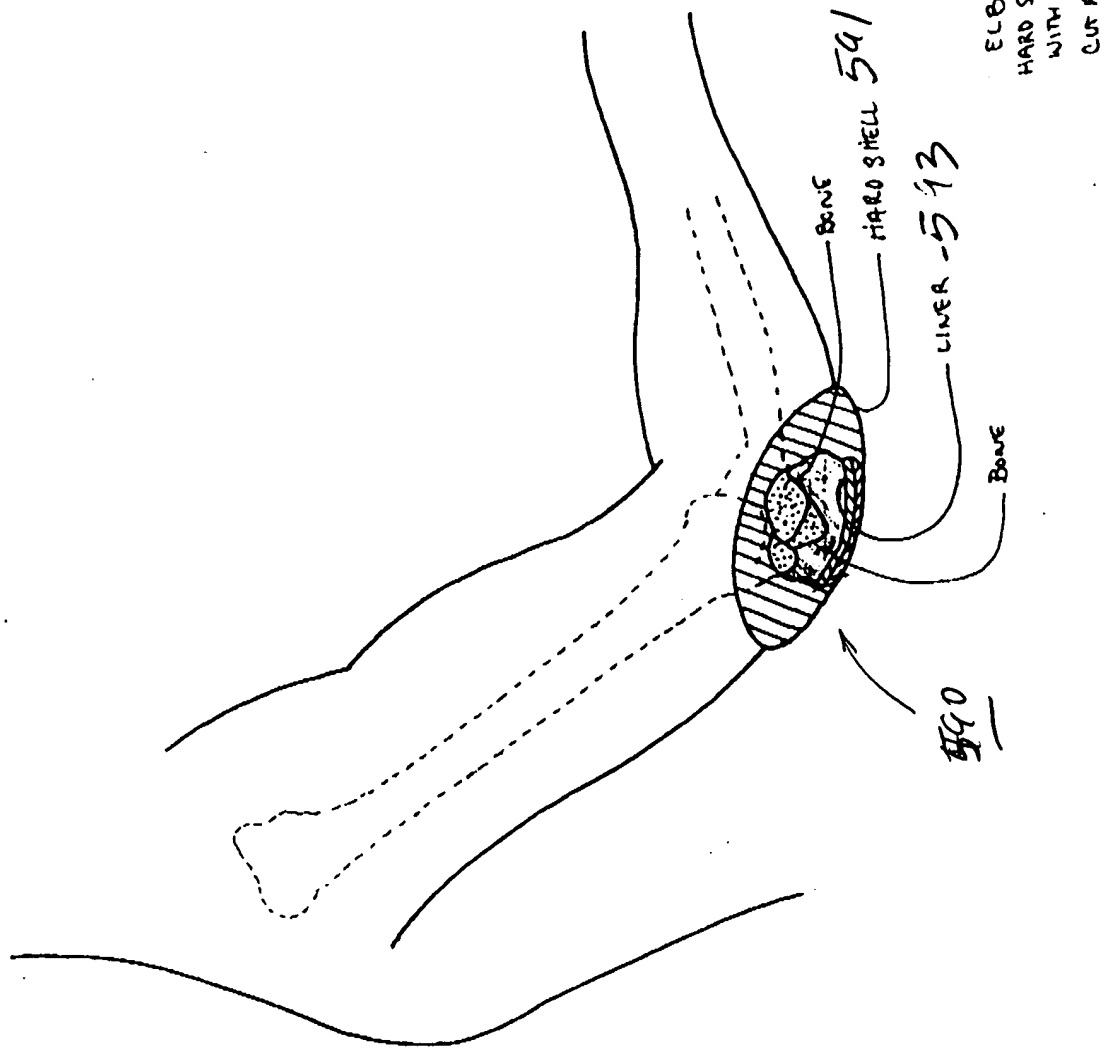


FIG 20

prostheses composed of materials that undergo changes during use - 1

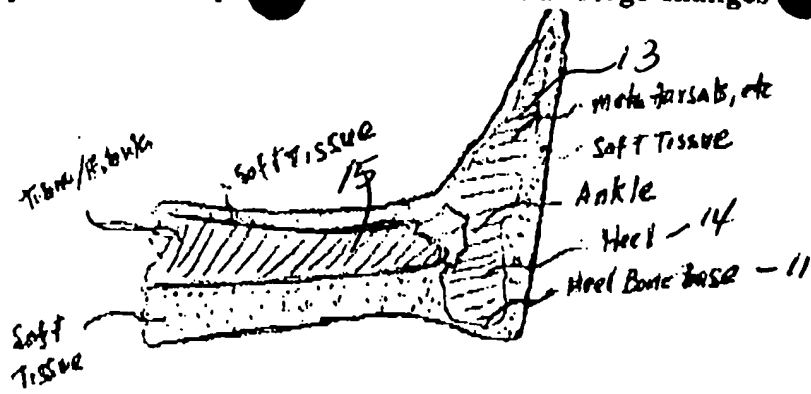


FIG. 21A

NO PROSTHESIS

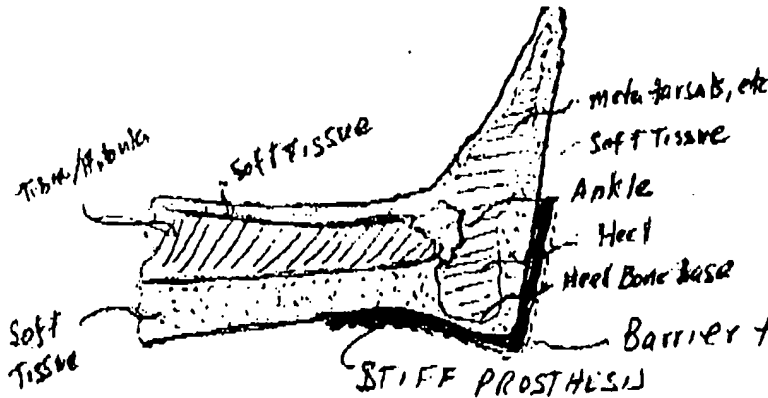
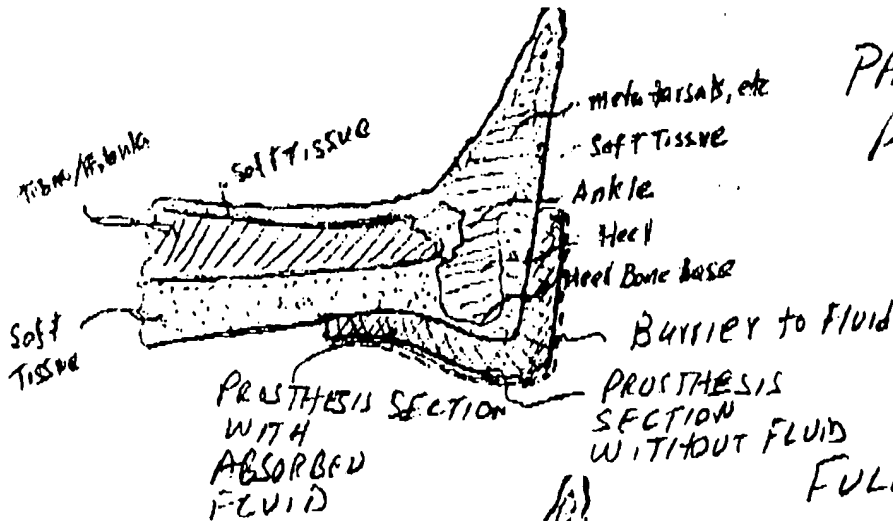


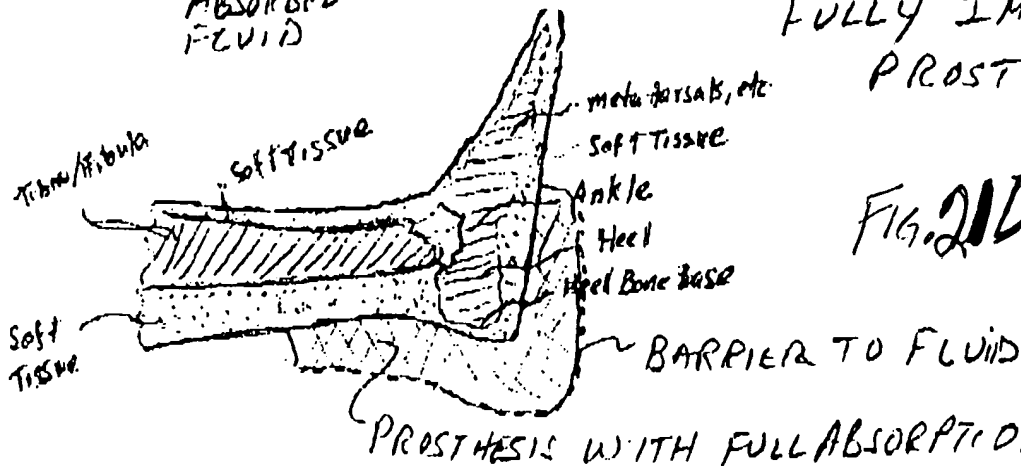
FIG. 21B

STIFF PROSTHESIS
BEFORE
ABSORBING ANY FLUID
MOISTURE



PARTIALLY IMBIBED
PROSTHESIS

FIG. 21C



FULLY IMBIBED
PROSTHESIS

FIG. 21D

**INTERNAL
PROSTHESIS**

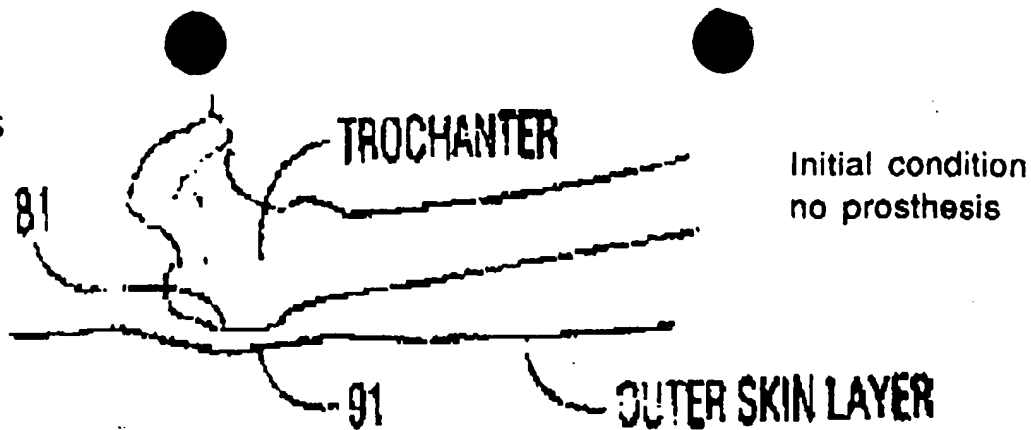


FIGURE 22A

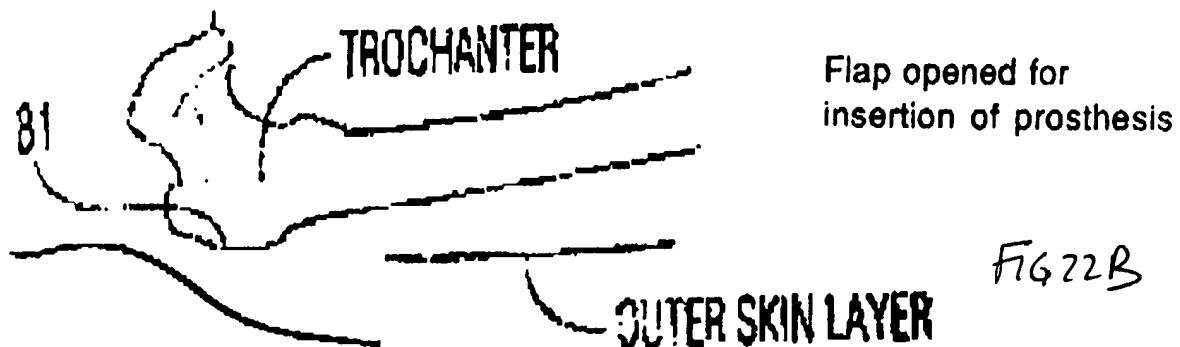


FIG 22B

Skin flap created by cutting
and retracting skin layer

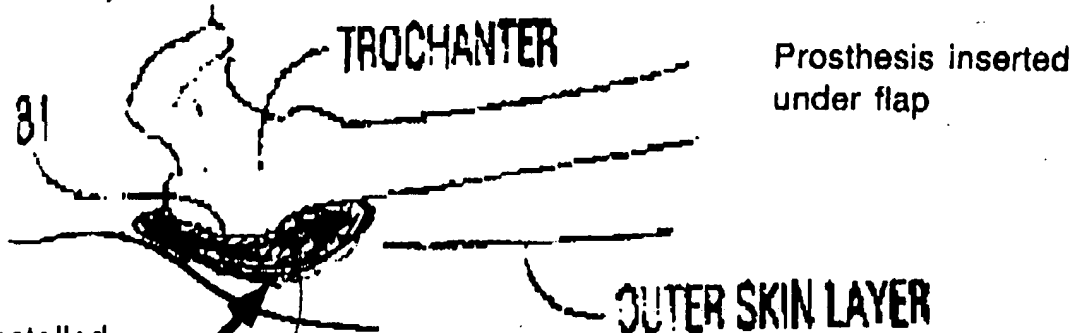


FIG 22C

Prosthesis installed
between skin and
subcutaneous layers

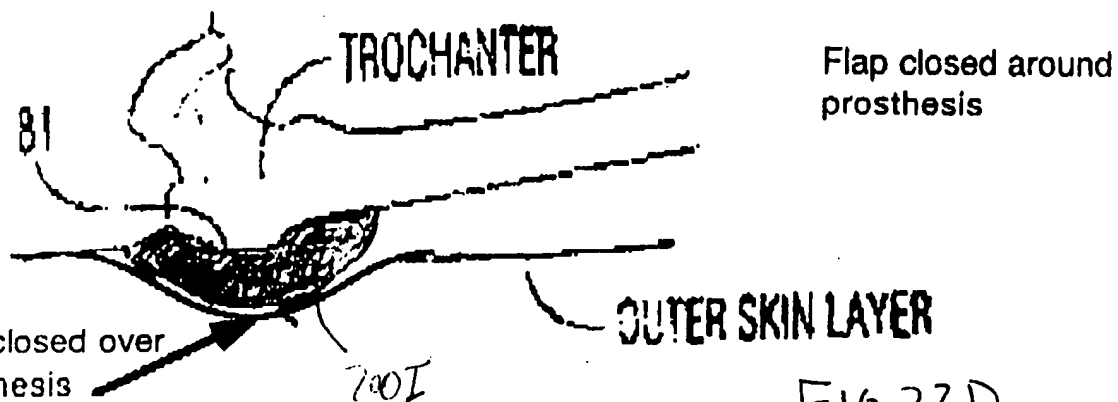


FIG 22D

Flap closed over
prosthesis

Amputee (Above the Knee -Art)

Soft Prosthesis

Hard Prosthesis

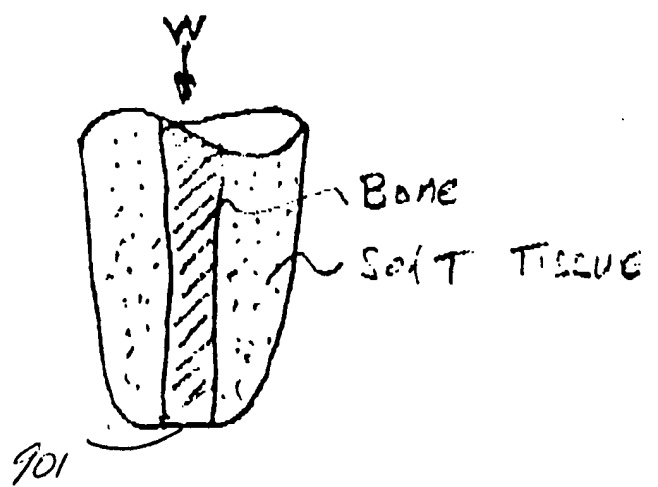
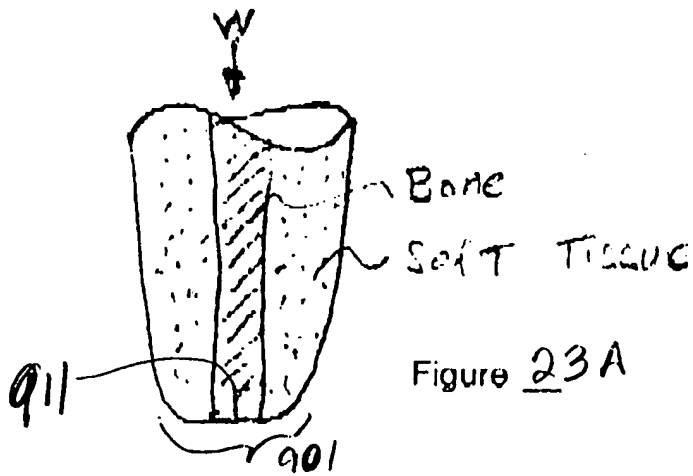
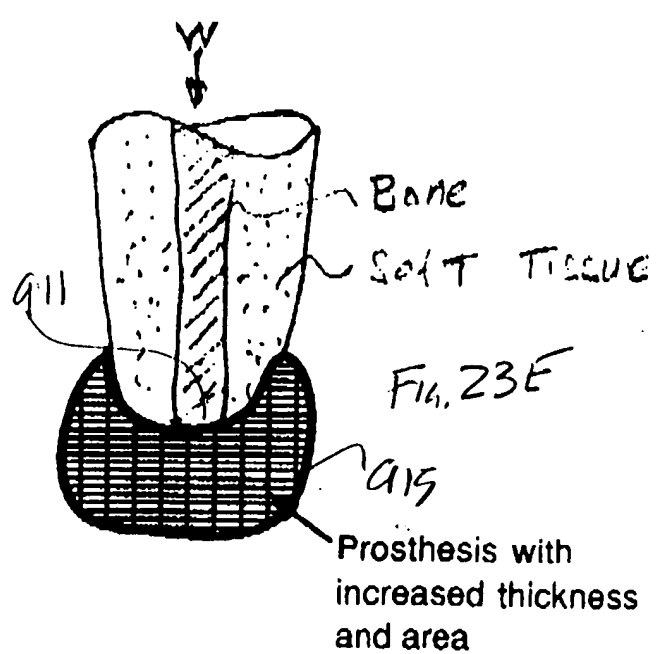
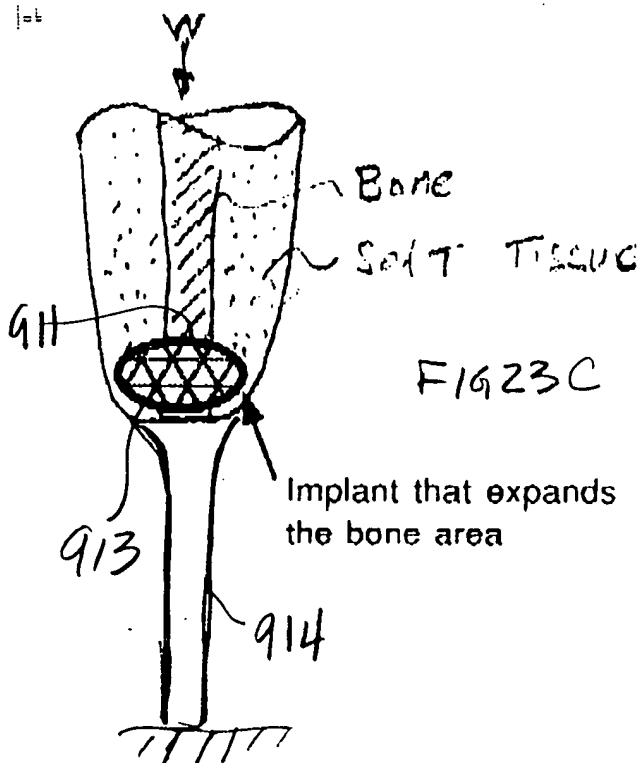
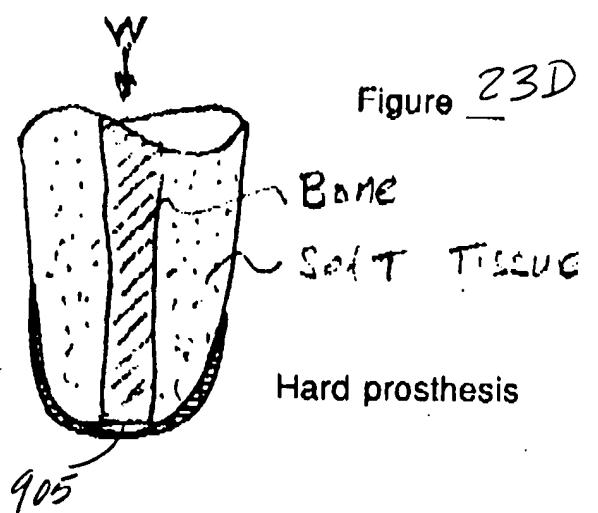
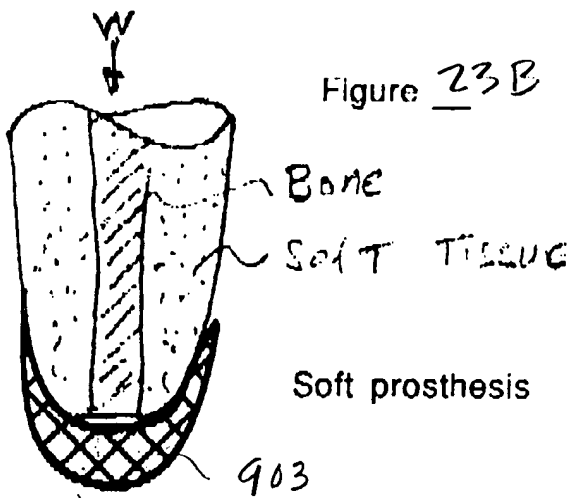


Figure 23B

Figure 23D

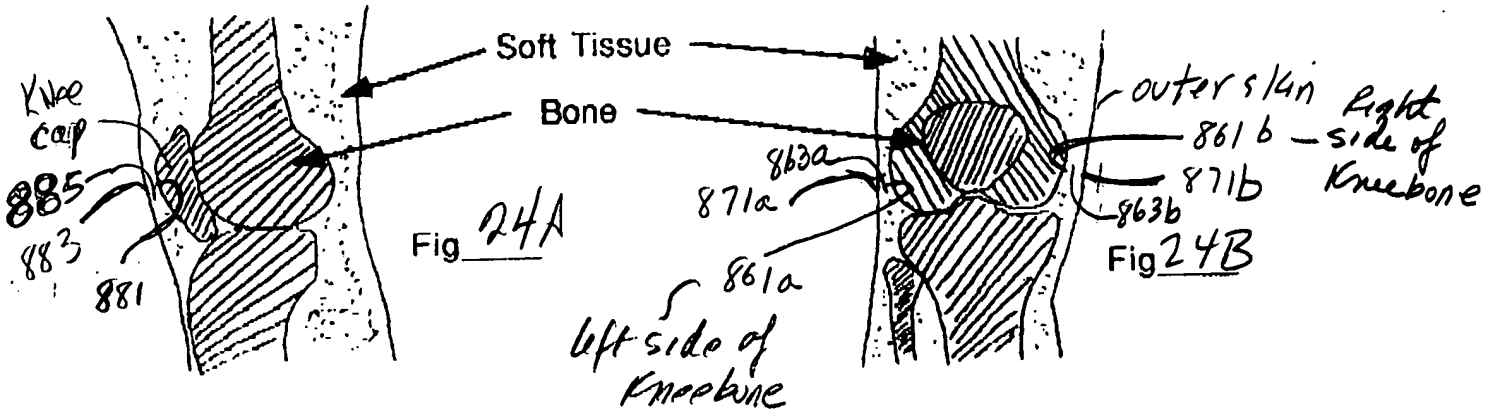


Knees

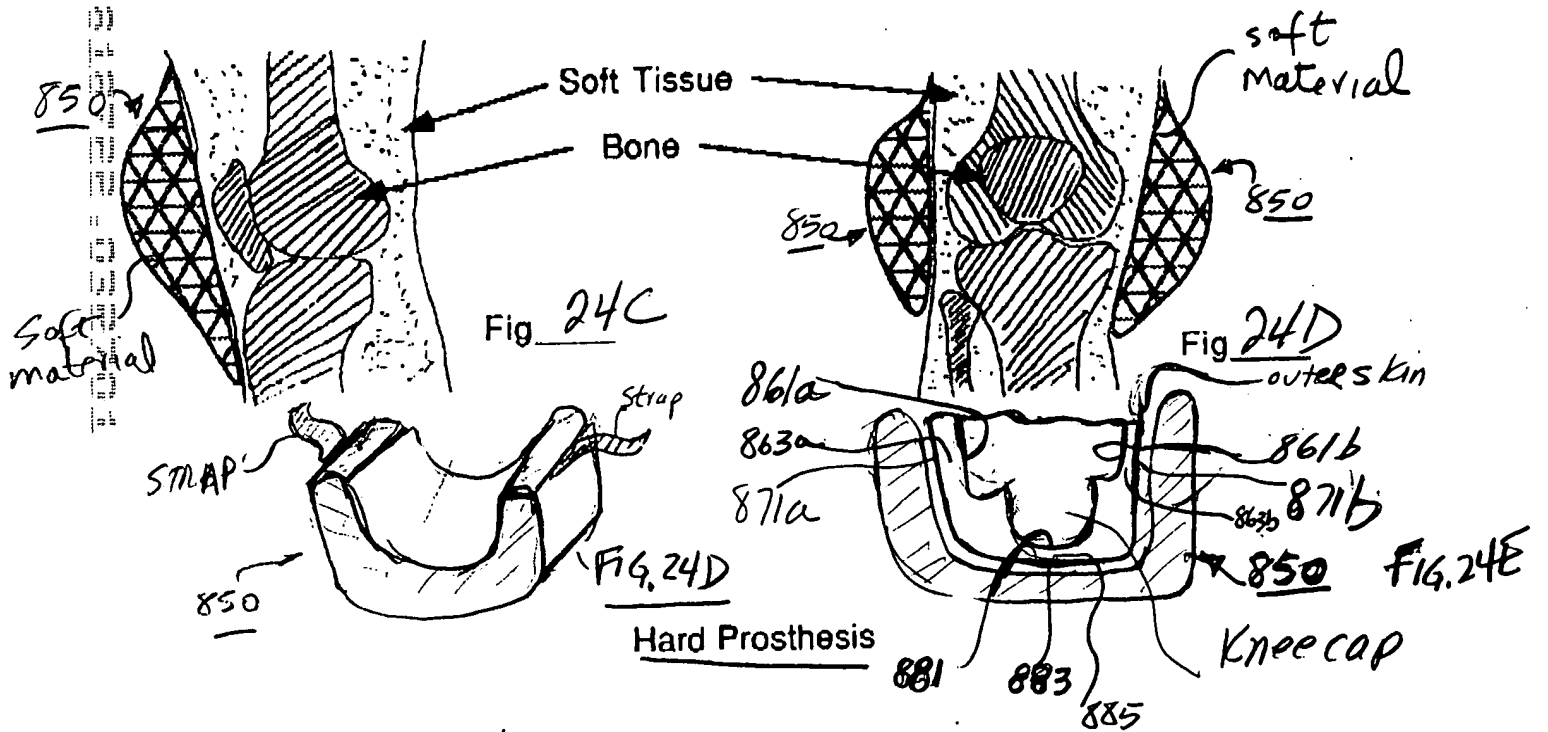
Side Views

Front Views

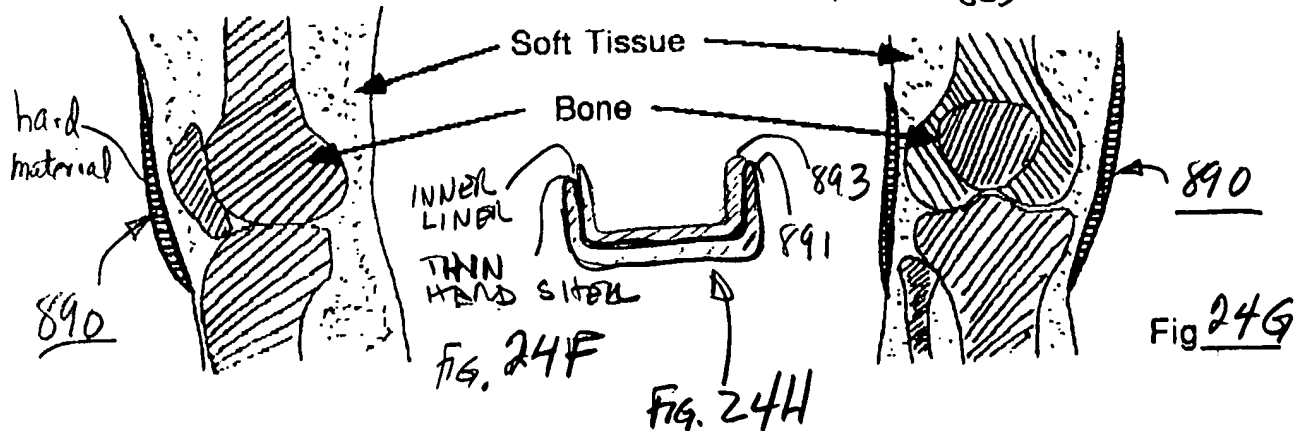
No Prosthesis



Soft Prosthesis

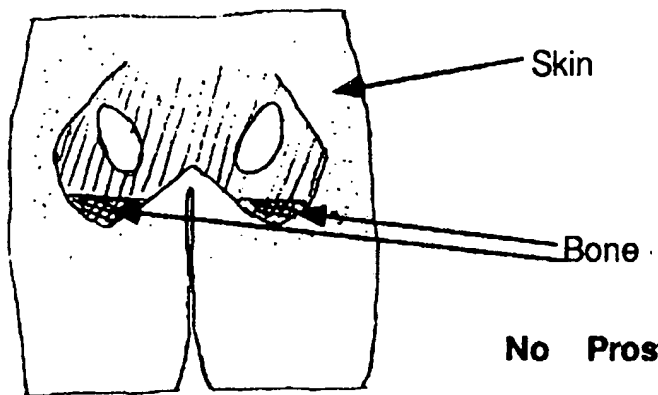


Hard Prosthesis



BUTTOCKS

Rear view:



No Prosthesis

FIG 25A

Side view:

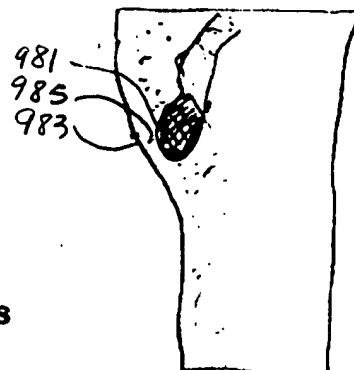


FIG 25B

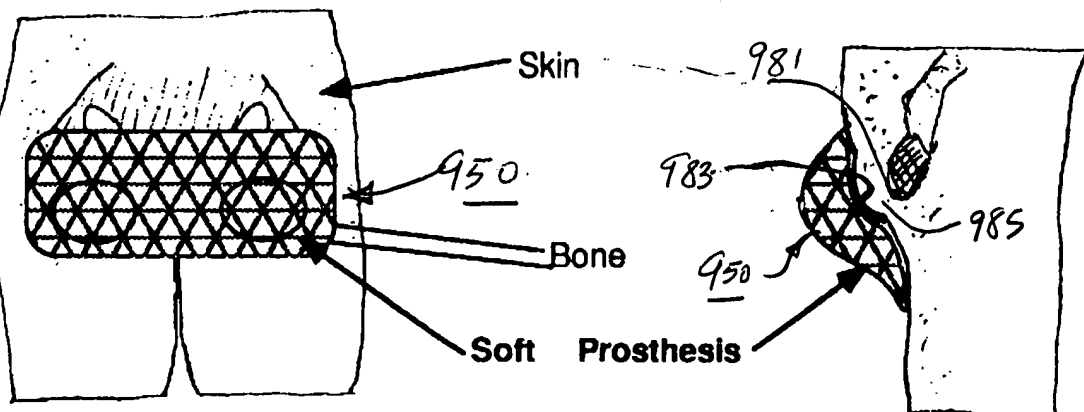


FIG 25C

FIG 25D

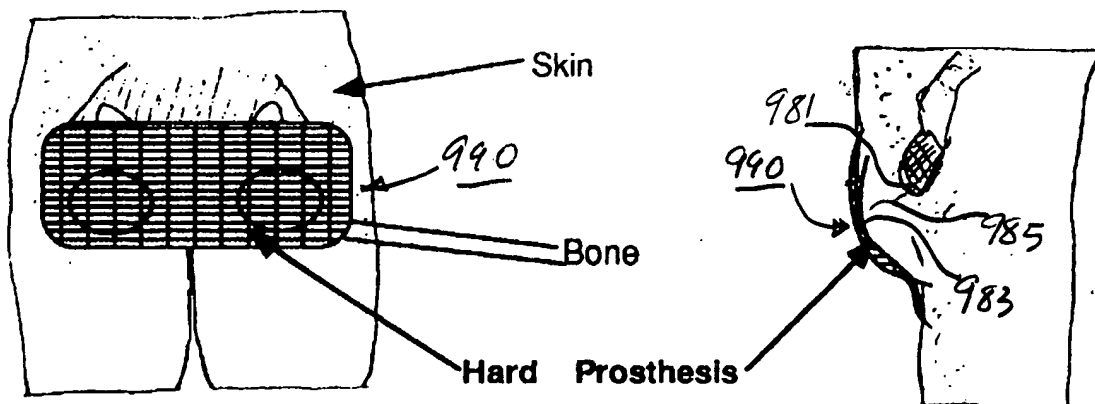


FIG. 25E

FIG. 25F

Critical Pressure vs. Exposure Time

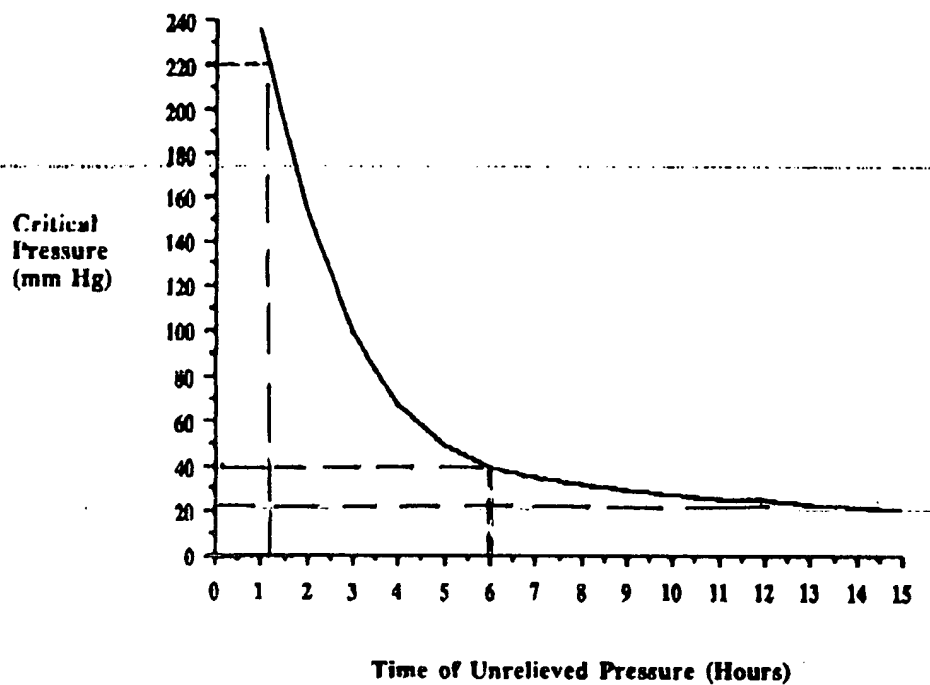


FIG. 26